56270-1

Ohio Labor Market Information

Labor Market Review

January 1990

Summary. The seasonally adjusted unemployment rate in Ohio rose from 6.1 percent in December to 6.7 percent in January. The national rate stood at 5.3 percent for the eighth consecutive month. Ohio's total employment, at 5,060,000, declined 50,000. The number of jobless Ohioans increased 34,000 to 366,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio fell 13,000 from December to 4,849,000 in January. The loss was concentrated in manufacturing industries. (See page 3.)

Goods-Producing Industries. Severe cutbacks in the automobile industry lowered employment in goods-producing industries 20,000 from December to 1,315,000 in January. Declines also occurred in fabricated metal products, primary metal industries, and electronic and other electric equipment, reducing employment in durable goods 22,000 to 726,000. Nondurable-goods employment, at 372,000, increased 2,000 due to gains in food and kindred products. Employment in construction rose 1,000 from December to 198,000, while mining employment was unchanged at 18,000.

Service-Producing Industries. Employment in service-producing industries totaled 3,534,000 in January, up 6,000 from December. Increases of 6,000 in retail trade and 2,000 in finance, insurance, and real estate were partially offset by declines of 1,000 in both services and government. Transportation and public utilities showed a small increase in employment, while wholesale trade remained on par with December.

Over the Year. Ohio's unemployment rate rose from 5.9 percent in January 1989 to 6.7 percent in January 1990. The national rate of 5.3 percent was down from 5.4 percent in January 1989. Total employment in Ohio was down 18,000 from January 1989, while total unemployment was up 45,000. Nonagricultural payroll employment rose 73,000 from a year ago. Retail trade increased 37,000 and services advanced 31,000. Gains in education largely accounted for an increase of 11,000 in government. Manufacturing employment fell 30,000 over the year due to declines in durable-goods industries, especially transportation equipment.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $513.62 per week in January, down $13.77 from December. Their average workweek of 42.1 hours was .5 hours shorter. The change was due primarily to the loss of high- paid workers in motor vehicles and equipment resulting from temporary shutdowns. Earnings were also reduced in general industrial machinery, metal forgings and stampings, and metalworking machinery.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 126,036 in January, up 22.7 percent from December, and up 60.2 percent from January

Ohio Bureau of Employment Services

Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

1989. Total benefits paid rose 50.5 percent to $83.6 million. The average weekly benefit check of $173.38 was $3.79 higher than in December. The average weekly number of benefit recipients, at 113,623, was up 43.9 percent. At the end of January there were 206,158 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 37,843 new job applicants in January, up 39.3 percent from December, but down 9.8 percent from January 1989. Job openings received from employers rose 53.2 percent from December to 7,803. The Employment Services Division made 17,963 job referrals and 2,831 placements.

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In This Issue

Ohio Nonagricultural Wage and Salary statistics are affected by these important changes:

- The U.S. Office of Budget and Management has revised the Standard Industrial Classification Manual to better reflect industry composition in the economy.
- Methodologies have been changed to provide more estimates for service-producing industries but fewer for manufacturing.
- The seasonally adjusted series has been expanded to include two-digit industries in the state, and division-level industries in the major metropolitan areas.

Effects of SIC Code Changes:

- At the division level, two minor changes occurred. Wholesale trade, retail trade, finance, insurance, and real estate, and services were affected. Firms were recoded from miscellaneous retail trade, specifically those engaged in the sale of used motor vehicle parts, to wholesale trade-durable goods. Firms were also recoded from Major Group 66, combinations of real estate, insurance, loans, and law offices in Finance, Insurance, and Real Estate, to Major Group 81, Legal Services, in the Services Division.
- At the 2-digit classification level, twenty-six industries in Ohio were affected. The greatest changes resulted from the creation of one new industry and the redefinition of another. SIC 87, Engineering and Management Services, was created from part of SIC 89, Miscellaneous Services, and part of SIC 73, Business Services. January 1990 employment in this new industry is 85,500. There were other shifts of smaller magnitude within Services.
- In the Banking industry, SIC 60 was redefined to include savings and loan institutions, formerly SIC 61, in addition to full-service banks. This 2-digit SIC industry has a new title, Depository Institutions, and is nearly 40 percent larger than the old SIC 60.
- In Manufacturing, the greatest change due to SIC recoding was a reduction in SIC 36, renamed Electronic and Other Electric Equipment. The receiving industry, SIC 35, was renamed Industrial Machinery and Equipment.

Significant 2-digit SIC changes in employment due to recoding are reported in the table on the next page.

Industry	SIC	Net March 1988 Employment Change From 1972 SIC	SIC Origin/ Destination
Construction	16	-500	To 17
	17	+500	From 16
Manufacturing	24	+800	From 26, 34
	30	+1800	From 32, 35; To 34
	32	-1900	To 30
	35	+4900	From 36; To 30
	36	-6600	To 35, 38
	37	- 600	To 34
	38	+1600	From 36
Wholesale Trade	50	+1400	From 59
Retail Trade	59	-1400	To 50
Finance, Insurance, and Real Estate	60	+24900	From 61
	61	-24900	To 60
Services	72	- 5000	To 73, 79
	73	-34300	From 72; To 78, 87
	78	+ 3800	From 73
	79	+ 4000	From 72; To 84
	87	+79500	From 73, 89
	89	-48000	To 87

Effects of Changes in Methodology:

- Historical series have been recalculated through 1979 to minimize the impact of changes on data users. Published detail has been greatly expanded, especially in the retail trade and services sectors. More detail is also available in contruction, transportation and public utilities, finance, insurance, and real estate, and government. The number of published lines in the manufacturing sector has been reduced.

Expansion of Seasonally Adjusted Data Series:

- Seasonally adjusted series have been added for selected Statewide two–digit SIC industries. The basis for selection was the availability of data for the ten–year period required to compute seasonally adjusted estimates. Division–level seasonaliy adjusted employment estimates are now available for the eight major metropolitan areas.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jan. 1990	Dec. 1989	Jan. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,426	5,442	5,399	-16	27	-.3	.5
Employment	5,060	5,110	5,078	-50	-18	-1.0	-.4
Unemployment	366	332	321	34	45	10.2	14.0
Unemployment Rate	6.7	6.1	5.9				
Employer Survey Data[e]							
Total	4,849	4,862	4,775	-13	73	-.3	1.5
Goods-Producing Industries	1,315	1,334	1,338	-20	-23	-1.5	-1.7
Mining	18	18	18	0	0	.5	-.7
Coal mining	8	8	8	0	0	.6	-.2
Oil and gas extraction	6	6	6	0	0	.2	-4.4
Construction	198	197	191	1	7	.3	3.4
General building contractors	48	47	47	0	1	.8	1.1
Heavy construction, except building	23	23	23	0	0	-.2	.6
Special trade contractors	127	127	121	0	6	.2	4.9
Manufacturing	1,099	1,119	1,128	-20	-30	-1.8	-2.6
Durable goods	726	748	761	-22	-35	-2.9	-4.6
Lumber and wood products	23	23	23	0	0	1.8	1.1
Furniture and fixtures	16	16	16	0	0	2.1	1.2
Stone, clay, and glass products	46	45	46	0	-1	.4	-1.4
Primary metal industries	99	101	104	-1	-5	-1.4	-4.4
Fabricated metal products	133	135	138	-3	-6	-2.1	-4.1
Industrial machinery and equipment	168	168	168	1	1	.5	.4
Electronic and other electric equipment	78	79	80	-1	-2	-1.2	-2.9
Transportation equipment	121	140	144	-19	-23	-13.5	-15.7
Instruments and related products	27	27	27	0	0	.1	-1.2
Nondurable goods	372	371	367	2	5	.4	1.4
Food and kindred products	65	63	63	2	2	2.7	3.1
Apparel and other textile products	15	15	16	0	-1	-.4	-4.3
Paper and allied products	38	38	37	0	1	.7	1.9
Printing and publishing	75	74	73	1	2	.7	2.9
Chemicals and allied products	66	66	65	0	1	.4	1.7
Rubber and misc. plastics products	95	97	96	-1	0	-1.5	-.3
Service-Producing Industries	3,534	3,527	3,437	6	97	.2	2.8
Transportation and Public Utilities	219	218	215	1	4	.3	1.9
Transportation	128	128	125	0	4	.4	2.9
Communications, electric, gas services	91	91	90	0	1	.3	.7

See footnotes on page 6.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jan. 1990	Dec. 1989	Jan. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	269	268	261	0	8	.2	3.2
Wholesale trade-durable goods	170	170	165	0	5	.1	2.9
Wholesale trade-nondurable goods	99	98	95	0	3	.2	3.6
Retail Trade	925	919	889	6	37	.7	4.1
Building materials and garden supplies	36	35	34	0	2	1.2	5.3
General merchandise stores	126	126	119	0	7	.1	6.3
Food stores	143	142	138	1	5	.7	3.5
Automotive dealers and service stations	101	101	98	0	4	.5	3.9
Apparel and accessory stores	50	50	47	0	3	.8	6.5
Furniture and homefurnishings stores	33	33	31	0	2	.1	5.0
Eating and drinking places	317	315	310	2	7	.7	2.1
Miscellaneous retail	120	118	112	2	8	1.4	6.7
Finance, Insurance, and Real Estate	256	255	250	2	6	.6	2.3
Finance	121	120	118	1	2	.5	2.0
Depository institutions	91	91	90	1	1	.7	1.4
Insurance	92	92	90	0	2	.5	2.1
Real estate	43	43	42	0	2	1.1	3.6
Services	1,155	1,156	1,124	-1	31	-.1	2.8
Hotels and other lodging places	38	38	38	0	0	.2	.6
Personal services	55	55	53	0	1	-.3	2.2
Business services	209	209	198	1	11	.3	5.6
Amusements, including motion pictures	53	53	57	0	-4	.4	-6.9
Health services	391	390	379	0	12	.1	3.2
Educational services	29	29	28	0	1	1.1	5.2
Legal services	60	60	62	0	-2	-.5	-2.6
Social services	73	74	71	-1	2	-1.1	3.4
Membership organizations	80	80	77	0	3	.0	3.2
Engineering and management services	87	87	85	0	2	-.5	2.1
Government	710	711	699	-1	11	-.2	1.5
Federal government	97	96	96	0	1	.2	.9
State government	159	160	156	-1	3	-.7	1.8
State government education	84	84	82	0	2	-.2	2.2
Local government	454	454	447	0	7	-.1	1.6
Local government education	265	266	260	-1	5	-.5	2.1

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,320	4,983	337	6.3	5.7	January
5,333	4,991	342	6.4	5.7	February
5,368	4,969	399	7.4	5.7	March
5,310	4,977	333	6.3	5.5	April
5,278	4,957	321	6.1	5.6	May
5,289	4,981	308	5.8	5.4	June
5,294	5,000	294	5.6	5.5	July
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January

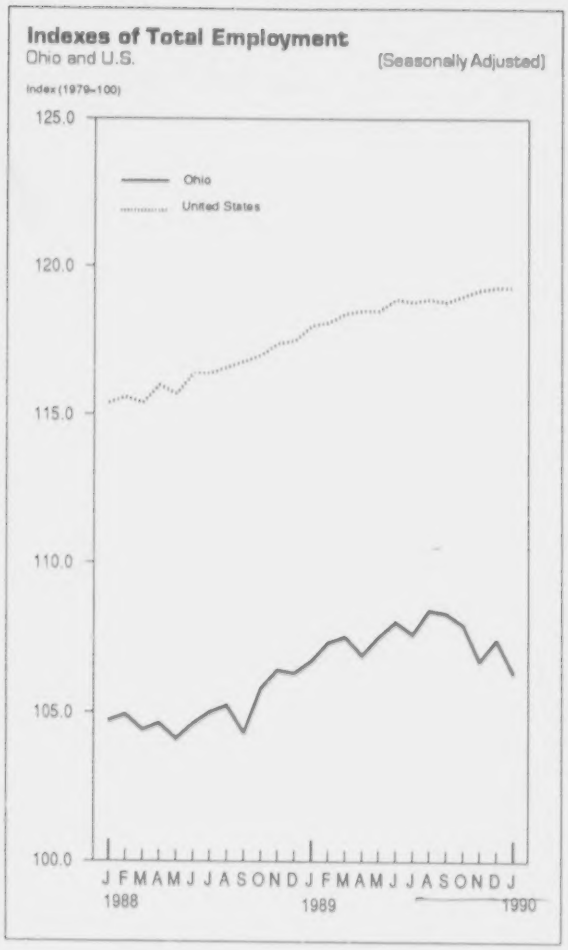
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

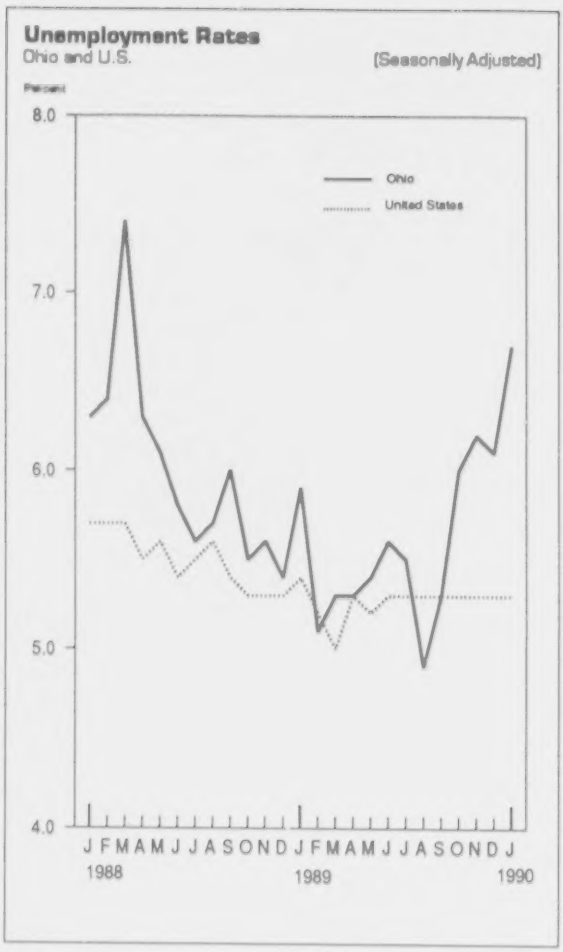
Nonagricultural Employment					
	Goods-Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1988
4,636	1,303	20	179	1,104	January
4,643	1,303	20	181	1,102	February
4,652	1,300	19	184	1,096	March
4,684	1,314	19	190	1,105	April
4,689	1,312	19	188	1,105	May
4,707	1,316	19	188	1,109	June
4,713	1,319	19	186	1,114	July
4,713	1,317	19	186	1,112	August
4,727	1,320	19	186	1,115	September
4,732	1,322	18	184	1,119	October
4,745	1,325	18	186	1,121	November
4,761	1,329	18	188	1,123	December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,119	November
4,862	1,334	18	197	1,119	December
					1990
4,849	1,315	18	198	1,099	January

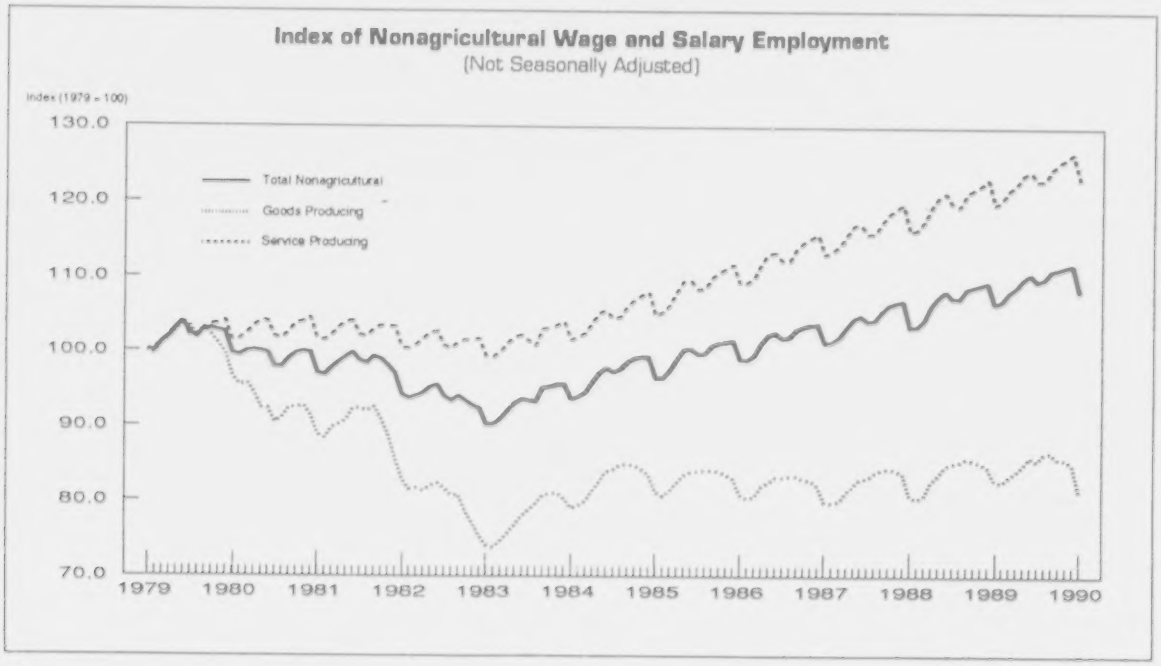
Service-Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,332	210	January	252	865	247	January	1,069	690
3,341	210	February	252	868	247	February	1,073	691
3,353	210	March	253	871	248	March	1,079	692
3,370	211	April	255	877	249	April	1,086	691
3,377	212	May	256	878	249	May	1,089	693
3,390	213	June	256	881	250	June	1,098	692
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,534	219	January	269	925	256	January	1,155	710

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
J F M A M J J A S O N D J F M A M J J A S O N D J
1988
1989
1990


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
8.0
7.0
6.0
5.0
4.0
Ohio
United States
J F M A M J J A S O N D J F M A M J J A S O N D J
1988
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,359	4,994	365	6.8	6.0	January
5,355	5,043	312	5.8	5.6	February
5,351	5,043	308	5.8	5.2	March
5,333	5,066	268	5.0	5.1	April
5,393	5,117	276	5.1	5.0	May
5,505	5,184	320	5.8	5.5	June
5,483	5,210	273	5.0	5.3	July
5,481	5,223	259	4.7	5.1	August
5,425	5,158	267	4.9	5.1	September
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.5	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
					1989
4,680.9	1,301.6	17.7	165.0	1,118.9	January
4,696.4	1,297.2	17.6	161.2	1,118.4	February
4,746.9	1,309.3	17.7	169.0	1,122.6	March
4,777.0	1,320.5	17.8	181.5	1,121.2	April
4,827.0	1,333.3	17.8	191.3	1,124.2	May
4,858.3	1,351.4	18.1	201.8	1,131.5	June
4,815.3	1,343.2	15.4	209.6	1,118.2	July
4,830.3	1,358.7	18.5	212.3	1,128.0	August
4,877.8	1,361.7	18.5	211.8	1,131.4	September
4,885.7	1,347.1	18.6	212.3	1,116.3	October
4,900.8	1,346.8	18.3	205.5	1,123.0	November
4,909.6	1,335.6	18.1	195.8	1,121.7	December
					1990
4,752.8	1,277.7	17.6	170.9	1,089.2	January

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,379.3	209.9	January	258.2	868.9	247.9	January	1,092.4	702.0
3,399.1	209.9	February	258.5	864.6	248.3	February	1,104.6	713.2
3,437.6	211.1	March	260.4	877.8	249.8	March	1,118.2	720.3
3,456.5	212.8	April	260.3	886.2	249.4	April	1,131.3	716.6
3,493.6	215.1	May	262.4	899.5	251.2	May	1,142.5	723.0
3,506.9	217.4	June	265.2	909.2	254.2	June	1,157.8	703.2
3,472.1	217.5	July	265.8	910.3	255.9	July	1,158.8	663.8
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,475.1	213.9	January	266.2	905.0	253.5	January	1,123.7	712.6

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,118.9	755.6	363.4	January	768.2	405.2	33.2
1,118.4	754.4	364.1	February	767.8	402.5	33.0
1,122.6	756.8	365.8	March	770.7	404.7	33.1
1,121.2	755.2	366.0	April	769.7	401.3	32.9
1,124.2	756.5	367.7	May	771.7	403.0	33.0
1,131.5	759.8	371.7	June	776.5	409.1	33.3
1,118.2	748.2	370.0	July	767.2	390.9	32.1
1,128.0	754.9	373.1	August	774.0	398.2	32.6
1,131.4	755.5	375.9	September	776.2	408.7	33.1
1,116.3	742.1	374.2	October	765.6	399.0	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,089.2	720.8	368.4	January	737.2	378.7	31.0

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$7.84	$8.06	$7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
527.47	551.06	473.63	January	43.2	43.7	42.1	January	12.21	12.61	11.25
524.17	546.80	473.47	February	43.0	43.5	41.9	February	12.19	12.57	11.30
525.10	548.97	471.33	March	42.9	43.5	41.6	March	12.24	12.62	11.33
521.37	541.73	473.82	April	42.7	43.2	41.6	April	12.21	12.54	11.39
522.22	543.02	473.10	May	42.7	43.2	41.5	May	12.23	12.57	11.40
526.81	546.88	481.74	June	42.9	43.3	42.0	June	12.28	12.63	11.47
509.50	526.23	474.44	July	41.9	42.2	41.4	July	12.16	12.47	11.46
514.46	530.02	478.40	August	42.1	42.3	41.6	August	12.22	12.53	11.50
526.49	545.67	484.15	September	42.7	43.0	42.1	September	12.33	12.69	11.50
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
513.62	527.48	485.72	January	42.1	42.3	41.8	January	12.20	12.47	11.62

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment
(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
44.7	103.1	137.3	January	167.1	80.7	143.7	January	61.8	72.3	95.1
44.8	102.9	136.9	February	167.6	79.7	143.7	February	61.2	73.1	95.4
45.3	102.8	137.3	March	168.7	79.8	144.0	March	61.5	73.3	96.0
45.4	103.2	136.5	April	167.8	78.9	144.8	April	61.8	73.1	96.0
45.7	103.3	136.8	May	167.8	78.9	144.9	May	62.4	73.5	96.1
46.4	103.1	136.8	June	169.2	79.6	144.7	June	63.5	74.1	97.1
46.1	101.0	134.9	July	168.8	79.2	137.7	July	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.1	98.6	131.6	January	167.8	78.4	121.2	January	63.7	74.4	94.8

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
473.88	629.95	516.17	January	552.27	472.49	701.88	January	441.08	445.02	459.11
469.88	619.89	510.00	February	543.01	462.04	713.11	February	440.18	451.61	450.02
475.25	621.72	509.22	March	542.68	459.95	723.31	March	448.93	454.31	441.42
478.08	624.34	509.65	April	538.46	457.60	683.55	April	455.20	448.84	444.37
473.45	620.64	514.61	May	537.34	457.19	692.19	May	454.69	446.18	450.71
479.52	632.19	505.91	June	535.67	455.67	713.25	June	468.26	447.70	459.67
477.28	607.26	498.42	July	515.10	445.21	676.67	July	462.42	449.26	445.82
480.22	613.02	490.28	August	515.95	457.73	682.78	August	468.42	448.14	444.56
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
476.28	612.05	494.27	January	524.24	454.71	675.30	January	475.02	470.77	438.19

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	4752.8	4909.6	4680.9	-156.8	71.9
Goods-Producing Industries	1277.7	1335.6	1301.6	-57.9	-23.9
Mining	17.6	18.1	17.7	-.5	-.1
Coal Mining	7.5	7.5	7.5	.0	.0
Oil and Gas Extraction	5.8	5.8	6.0	.0	-.3
Construction	170.9	195.8	165.0	-24.9	6.0
General Building Contractors	43.3	47.5	42.8	-4.3	.5
Nonresidential Building Construction	22.2	24.3	22.8	-2.2	-.6
Heavy Construction, Except Building	16.0	21.6	15.9	-5.5	.1
Highway and Street Construction	4.1	7.0	4.0	-2.9	.1
Special Trade Contractors	111.6	126.7	106.2	-15.1	5.3
Manufacturing	1089.2	1121.7	1118.9	-32.5	-29.7
Durable Goods[e]	720.8	750.0	755.6	-29.2	-34.8
Lumber and Wood Products	22.0	22.6	21.7	-.6	.3
Millwork, Plywood and Structural Members	10.0	10.2	9.7	-.3	.3
Furniture and Fixtures	15.8	15.7	15.6	.1	.2
Stone, Clay, and Glass Products	44.1	45.3	44.7	-1.2	-.6
Primary Metal Industries	98.6	100.6	103.1	-2.1	-4.6
Blast Furnace and Basic Steel Products	46.7	46.4	46.5	.2	.2
Iron and Steel Foundries	18.9	19.8	20.9	-.9	-2.0
Nonferrous Rolling and Drawing	15.2	16.5	17.8	-1.3	-2.6
Nonferrous Foundries	10.5	10.7	10.7	-.2	-.2
Fabricated Metal Products	131.6	136.0	137.3	-4.4	-5.6
Fabricated Structural Metal Products	30.3	30.5	29.9	-.2	.4
Metal Forgings and Stampings	36.1	39.1	40.5	-3.0	-4.4
Industrial Machinery and Equipment	167.8	168.0	167.1	-.2	.7
Construction and Related Machinery	14.6	14.4	14.1	.2	.5
Metalworking Machinery	47.3	47.5	47.3	-.2	.1
Special Industry Machinery	17.5	17.5	16.9	-.1	.5
General Industrial Machinery	26.2	26.4	26.2	-.2	.0
Computer and Office Equipment	11.1	11.2	11.9	-.1	-.8
Refrigeration and Service Machinery	16.1	15.9	16.4	.2	-.3
Electronic and Other Electric Equipment	78.4	79.0	80.7	-.6	-2.3
Electrical Industrial Apparatus	12.6	12.5	12.7	.1	-.1
Household Appliances	15.6	15.4	16.0	.2	-.3
Electric Lighting and Wiring Equipment	15.9	16.6	16.7	-.6	-.7
Electronic Components and Accessories	11.4	11.5	11.4	-.1	.0
Transportation Equipment	121.2	140.8	143.7	-19.6	-22.5
Motor Vehicles and Equipment	75.7	95.1	98.2	-19.4	-22.5
Aircraft and Parts	36.8	36.8	36.8	.0	.0
Instruments and Related Products	26.6	26.8	26.9	-.2	-.3
Measuring and Controlling Devices	16.1	16.3	16.5	-.1	-.4
Nondurable Goods[f]	368.4	371.7	363.4	-3.3	5.1
Food and Kindred Products	63.7	63.4	61.8	.3	1.9
Dairy Products	10.2	10.2	9.6	-.1	.5
Preserved Fruits and Vegetables	11.2	10.5	10.8	.7	.4
Bakery Products	9.6	9.5	9.3	.1	.3
Apparel and Other Textile Products	14.7	15.2	15.4	-.4	-.7
Paper and Allied Products	37.8	38.0	37.2	-.2	.7
Paperboard Containers and Boxes	13.8	14.0	13.3	-.1	.6
Miscellaneous Converted Paper Products	12.0	12.1	12.1	-.1	-.1
Printing and Publishing	74.4	75.0	72.3	-.5	2.1
Newspapers	19.1	19.0	18.8	.1	.3
Commercial Printing	27.2	27.7	26.5	-.5	.7
Chemicals and Allied Products	65.2	65.5	64.1	-.3	1.1
Plastics Materials and Synthetics	9.7	9.7	9.5	.0	.2
Rubber and Miscellaneous Plastics Products	94.8	96.7	95.1	-1.9	-.3
Tires and Inner Tubes	15.8	15.5	14.6	.3	1.2
Miscellaneous Plastics Products	56.2	58.2	57.6	-2.0	-1.4
Service-Producing Industries	3475.1	3574.0	3379.3	-98.9	95.8
Transportation and Public Utilities	213.9	220.4	209.9	-6.5	4.0
Transportation	123.7	130.0	120.2	-6.3	3.5
Railroad Transportation	12.3	12.5	12.9	-.1	-.5
Trucking and Warehousing	73.7	78.9	72.2	-5.1	1.6
Transportation by Air	13.9	13.7	12.8	.2	1.0
Communications, Electric, Gas Services	90.2	90.4	89.7	-.2	.5
Communications	46.9	47.1	47.4	-.2	-.4
Electric, Gas, and Sanitary Services	43.3	43.3	42.3	.0	.9

See footnotes on page 15.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Wholesale Trade	266.2	269.6	258.2	-3.3	8.1
Wholesale Trade-Durable Goods	168.7	170.5	163.9	-1.8	4.8
Motor Vehicles, Parts, and Supplies	22.8	22.9	22.6	-.2	.2
Professional and Commercial Equipment	32.6	32.7	31.4	-.2	1.1
Metals and Minerals, Except Petroleum	11.2	11.3	11.3	-.1	-.1
Electrical Goods	18.7	18.8	18.3	-.1	.4
Hardware, Plumbing and Heating Equipment	12.7	12.8	12.3	-.1	.4
Machinery, Equipment, and Supplies	42.2	42.4	40.6	-.2	1.6
Wholesale Trade-Nondurable Goods	97.6	99.1	94.3	-1.6	3.3
Groceries and Related Products	32.2	32.8	31.0	-.6	1.2
Retail Trade	905.0	949.1	868.9	-44.1	36.2
Building Materials and Garden Supplies	32.8	35.0	31.1	-2.2	1.7
Lumber and Other Building Materials	16.9	17.6	15.9	-.8	.9
General Merchandise Stores	128.2	141.5	120.7	-13.3	7.5
Department Stores	104.7	115.1	96.8	-10.4	8.0
Variety Stores	13.6	14.9	13.7	-1.3	-.2
Food Stores	141.2	145.9	136.4	-4.7	4.8
Grocery Stores	125.2	127.9	120.8	-2.7	4.3
Automotive Dealers and Service Stations	99.7	100.1	96.0	-.4	3.7
New and Used Car Dealers	44.0	44.2	43.1	-.2	.9
Gasoline Service Stations	35.2	35.2	32.6	.0	2.7
Apparel and Accessory Stores	50.3	54.3	47.2	-4.0	3.1
Furniture and Homefurnishings Stores	33.0	34.1	31.4	-1.1	1.6
Eating and Drinking Places	300.5	312.4	294.2	-11.9	6.3
Miscellaneous Retail	119.4	125.9	111.9	-6.5	7.5
Drug Stores and Proprietary Stores	31.8	32.3	29.6	-.5	2.2
Nonstore Retailers	23.3	24.0	21.5	-.7	1.8
Finance, Insurance, and Real Estate	253.5	254.7	247.9	-1.2	5.6
Finance	120.2	120.3	118.0	.0	2.3
Depository Institutions	90.9	90.9	89.7	.0	1.2
Commercial Banks	63.8	63.8	62.1	.0	1.8
Insurance	91.9	92.0	90.0	-.1	1.9
Insurance Carriers	70.3	70.3	69.3	.0	1.0
Life Insurance	25.8	26.0	25.8	-.2	.0
Fire, Marine, and Casualty Insurance	31.3	31.1	30.3	.1	1.0
Real Estate	41.3	42.4	39.9	-1.1	1.5
Services	1123.7	1150.5	1092.4	-26.8	31.3
Hotels and Other Lodging Places	35.9	37.4	35.7	-1.5	.2
Personal Services	55.2	54.7	53.9	.5	1.3
Business Services	203.4	210.3	192.6	-6.9	10.8
Services to Buildings	31.9	32.4	30.4	-.5	1.5
Personnel Supply Services	67.5	73.8	63.4	-6.3	4.1
Computer and Data Processing Services	26.7	26.4	24.1	.3	2.6
Amusements, Including Motion Pictures	40.4	44.9	43.5	-4.4	-3.0
Health Services	388.4	391.0	376.4	-2.6	12.0
Nursing and Personal Care Facilities	84.2	84.7	81.5	-.5	2.8
Hospitals	189.0	188.9	184.5	.1	4.6
Legal Services	29.1	29.2	27.7	-.1	1.4
Educational Services	61.3	63.9	63.0	-2.6	-1.7
Colleges and Universities	33.7	35.8	35.4	-2.1	-1.8
Social Services	73.2	75.2	70.8	-1.9	2.4
Residential Care	22.5	22.7	21.4	-.1	1.1
Membership Organizations	78.2	79.4	75.7	-1.2	2.5
Engineering and Management Services	85.5	86.8	83.8	-1.3	1.7
Engineering and Architectural Services	26.0	26.4	25.2	-.4	.8
Accounting, Auditing, and Bookkeeping	22.1	21.5	21.5	.6	.6
Research and Testing Services	18.5	19.1	18.3	-.6	.3
Management and Public Relations	18.8	19.7	18.8	-.9	.1
Government	712.6	729.7	702.0	-17.0	10.7
Federal Government	96.3	97.4	95.5	-1.0	.9
U.S. Postal Service	34.2	34.8	35.1	-.6	-.9
State Government	159.3	169.1	156.4	-9.8	2.9
State Government Hospitals	15.4	16.0	15.5	-.6	-.1
State Government Education[f]	84.6	93.4	82.6	-8.9	1.9
Local Government	457.1	463.2	450.1	-6.2	6.9
Local Government Hospitals	14.8	14.8	14.4	.0	.4
Local Government Education	271.8	277.8	266.3	-6.0	5.5

See footnotes on page 15.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Goods-Producing Industries	$529.17	$539.25	$534.23	41.7	41.9	42.5	$12.69	$12.87	$12.57
Mining	641.14	609.02	566.81	45.6	44.1	43.5	14.06	13.81	13.03
Coal Mining	785.09	756.33	695.84	46.4	45.1	42.9	16.92	16.77	16.22
Construction	610.74	601.73	575.67	39.1	38.4	38.2	15.62	15.67	15.07
General Building Contractors	566.19	540.57	531.16	40.5	39.2	39.2	13.98	13.79	13.55
Heavy Construction, Except Building	561.74	576.41	602.18	37.3	37.6	38.8	15.06	15.33	15.52
Special Trade Contractors	632.13	625.06	585.81	38.9	38.3	37.6	16.25	16.32	15.58
Manufacturing	513.62	527.39	527.47	42.1	42.6	43.2	12.20	12.38	12.21
Durable Goods[e]	527.48	546.12	551.06	42.3	42.9	43.7	12.47	12.73	12.61
Lumber and Wood Products	323.40	335.32	312.84	39.2	40.4	39.7	8.25	8.30	7.88
Millwork, Plywood and Structural Members	352.60	374.98	332.40	41.0	43.3	40.0	8.60	8.66	8.31
Furniture and Fixtures	380.37	377.10	355.39	40.9	40.9	39.4	9.30	9.22	9.02
Stone, Clay, and Glass Products	476.28	471.10	473.88	42.0	42.1	42.5	11.34	11.19	11.15
Primary Metal Industries	612.05	618.02	629.95	43.5	43.8	44.9	14.07	14.11	14.03
Blast Furnace and Basic Steel Products	635.60	633.28	634.13	44.2	44.1	44.5	14.38	14.36	14.25
Iron and Steel Foundries	635.54	637.38	698.89	43.5	43.3	47.0	14.61	14.72	14.87
Nonferrous Rolling and Drawing	634.51	637.70	658.80	40.7	40.8	43.2	15.59	15.63	15.25
Nonferrous Foundries	459.46	486.71	468.30	43.8	45.7	44.6	10.49	10.65	10.50
Fabricated Metal Products	494.27	502.80	516.17	41.5	41.9	42.8	11.91	12.00	12.06
Fabricated Structural Metal Products	451.82	467.67	444.11	41.3	42.4	40.3	10.94	11.03	11.02
Metal Forgings and Stampings	598.62	604.45	633.04	41.6	41.6	43.9	14.39	14.53	14.42
Industrial Machinery and Equipment	524.24	538.46	552.27	42.9	43.6	44.9	12.22	12.35	12.30
Construction and Related Machinery	460.37	467.87	431.26	41.4	41.7	40.8	11.12	11.22	10.57
Metalworking Machinery	527.17	537.75	542.92	44.3	45.0	45.7	11.90	11.95	11.88
Special Industry Machinery	534.91	543.27	511.31	44.8	45.5	44.5	11.94	11.94	11.49
General Industrial Machinery	523.52	578.92	582.03	40.9	43.3	44.6	12.80	13.37	13.05
Computer and Office Equipment	466.34	474.33	461.47	41.6	42.2	41.8	11.21	11.24	11.04
Refrigeration and Service Machinery	551.42	575.56	666.76	39.9	41.2	45.7	13.82	13.97	14.59
Electronic and Other Electric Equipment	454.71	462.44	472.49	41.3	41.4	42.3	11.01	11.17	11.17
Electrical Industrial Apparatus	455.08	442.85	453.88	43.3	42.5	43.6	10.51	10.42	10.41
Household Appliances	489.62	486.01	505.78	40.7	40.1	41.8	12.03	12.12	12.10
Electric Lighting and Wiring Equipment	442.96	466.43	487.55	39.2	39.9	41.6	11.30	11.69	11.72
Electronic Components and Accessories	337.02	334.15	376.21	41.0	40.9	42.8	8.22	8.17	8.79
Transportation Equipment	675.30	717.05	701.88	43.4	44.9	45.4	15.56	15.97	15.46
Motor Vehicles and Equipment	699.05	750.85	729.83	43.5	45.7	45.7	16.07	16.43	15.97
Aircraft and Parts	654.75	616.12	638.89	44.3	42.2	45.7	14.78	14.60	13.98
Instruments and Related Products	386.32	388.42	371.79	40.2	40.8	40.5	9.61	9.52	9.18
Measuring and Controlling Devices	389.30	381.24	370.54	40.3	40.3	39.8	9.66	9.46	9.31
Nondurable Goods[f]	485.72	485.62	473.63	41.8	41.9	42.1	11.62	11.59	11.25
Food and Kindred Products	475.02	473.18	441.08	42.0	42.4	41.3	11.31	11.16	10.68
Dairy Products	495.12	500.54	452.20	43.7	44.1	42.5	11.33	11.35	10.64
Preserved Fruits and Vegetables	509.35	520.22	487.18	42.2	43.1	42.4	12.07	12.07	11.49
Bakery Products	486.08	484.51	465.30	39.2	39.2	39.2	12.40	12.36	11.87
Apparel and Other Textile Products	301.75	294.08	314.03	38.1	37.8	39.5	7.92	7.78	7.95
Paper and Allied Products	509.80	518.97	505.52	44.1	44.7	44.5	11.56	11.61	11.36
Paperboard Containers and Boxes	447.02	442.12	448.21	42.9	42.8	43.6	10.42	10.33	10.28
Miscellaneous Converted Paper Products	463.82	491.89	446.86	44.3	45.8	44.2	10.47	10.74	10.11
Printing and Publishing	470.77	482.26	445.02	40.1	40.8	38.9	11.74	11.82	11.44
Newspapers	393.30	405.76	366.09	34.2	35.1	33.1	11.50	11.56	11.06
Commercial Printing	475.07	484.76	442.90	41.6	42.3	40.3	11.42	11.46	10.99
Chemicals and Allied Products	606.10	611.27	575.66	43.2	43.6	42.8	14.03	14.02	13.45
Plastics Materials and Synthetics	686.87	689.72	673.81	44.4	44.7	45.9	15.47	15.43	14.68
Rubber and Miscellaneous Plastics Products	438.19	433.54	459.11	41.3	40.9	43.6	10.61	10.60	10.53
Tires and Inner Tubes	715.26	718.60	659.34	45.5	45.8	44.4	15.72	15.69	14.85
Miscellaneous Plastics Products	413.91	414.06	450.55	40.5	40.2	43.7	10.22	10.30	10.31
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	616.54	615.04	569.21	42.2	42.3	40.6	14.61	14.54	14.02
Communications	558.58	561.60	540.71	39.7	40.0	39.7	14.07	14.04	13.62
Electric, Gas, and Sanitary Services	683.72	676.64	601.54	45.1	44.9	41.6	15.16	15.07	14.46
Wholesale Trade	409.38	410.69	399.45	39.1	39.3	39.2	10.47	10.45	10.19
Wholesale Trade-Durable Goods	401.06	402.19	389.86	38.9	39.2	39.3	10.31	10.26	9.92
Motor Vehicles, Parts, and Supplies	356.57	356.98	331.45	38.8	39.1	37.2	9.19	9.13	8.91
Metals and Minerals, Except Petroleum	470.96	463.14	465.25	41.9	41.8	43.4	11.24	11.08	10.72
Wholesale Trade-Nondurable Goods	423.55	423.94	415.35	39.4	39.4	39.0	10.75	10.76	10.65

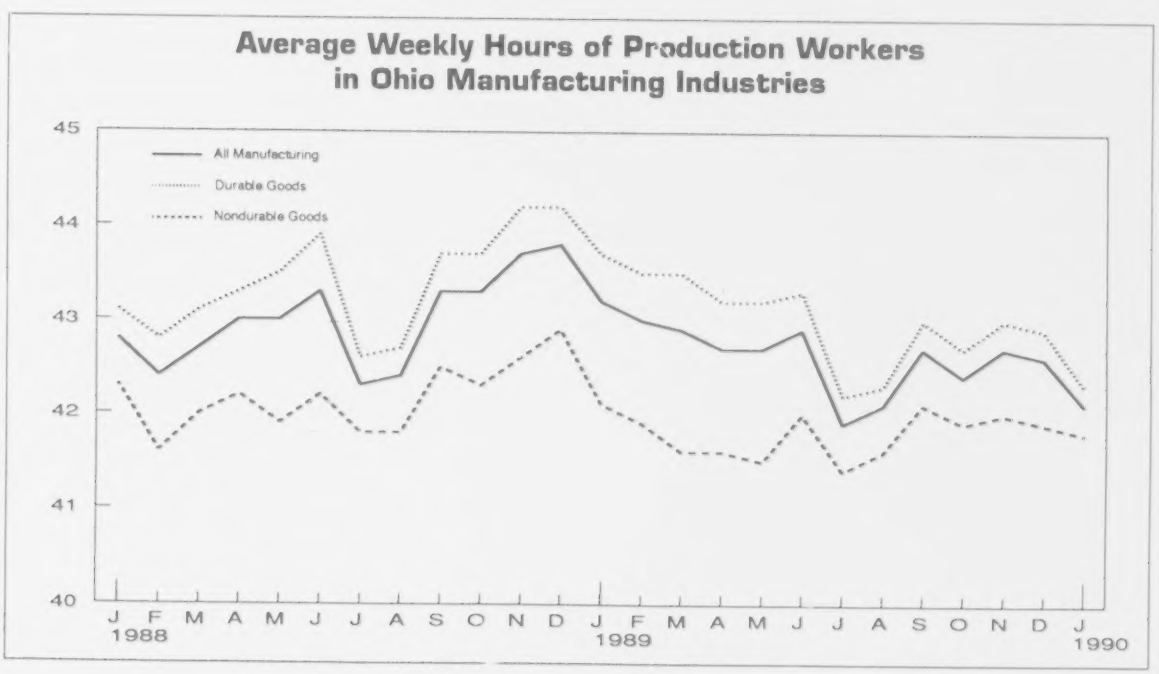
See footnotes on page 15.

Hours and Earnings of Production or Nonsupervisory Workers[a]

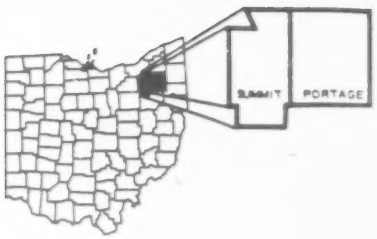
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Retail Trade[h]	$173.96	$179.09	$170.61	27.7	28.7	28.2	$6.28	$6.24	$6.05
General Merchandise Stores	185.27	200.57	176.75	28.2	31.0	28.1	6.57	6.47	6.29
Department Stores	188.66	206.27	182.25	28.2	31.3	28.3	6.69	6.59	6.44
Finance, Insurance, and Real Estate	347.16	346.41	342.58	....	....	....	.....	.....	.....
Finance	325.27	320.87	317.15	....	....	....	.....	.....	.....
Depository Institutions	279.13	274.12	273.98	....	....	....	.....	.....	.....
Commercial Banks	278.38	272.20	274.15	....	....	....	.....	.....	.....
Insurance	407.16	411.11	400.86	....	....	....	.....	.....	.....
Insurance Carriers	399.79	396.55	385.83	....	....	....	.....	.....	.....
Life Insurance	370.61	368.65	356.10	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	426.91	425.20	402.20	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	231.44	226.56	208.53	32.1	32.0	31.5	7.21	7.08	6.62
Health Services	312.30	306.86	293.83	31.9	31.7	31.8	9.79	9.68	9.24
Nursing and Personal Care Facilities	204.14	202.25	189.00	31.6	31.7	31.5	6.46	6.38	6.00
Hospitals	369.33	362.84	346.50	32.8	32.6	33.0	11.26	11.13	10.50
Engineering and Management Services	475.42	473.37	429.01	35.4	35.3	35.9	13.43	13.41	11.95
Engineering and Architectural Services	664.25	659.56	588.17	32.9	32.7	34.7	20.19	20.17	16.95
Research and Testing Services	381.31	382.10	338.10	36.7	36.6	34.5	10.39	10.44	9.80

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.



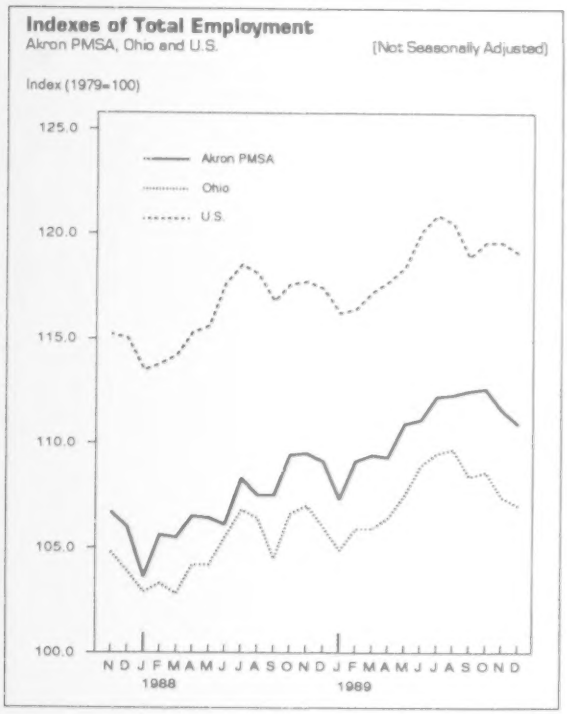
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

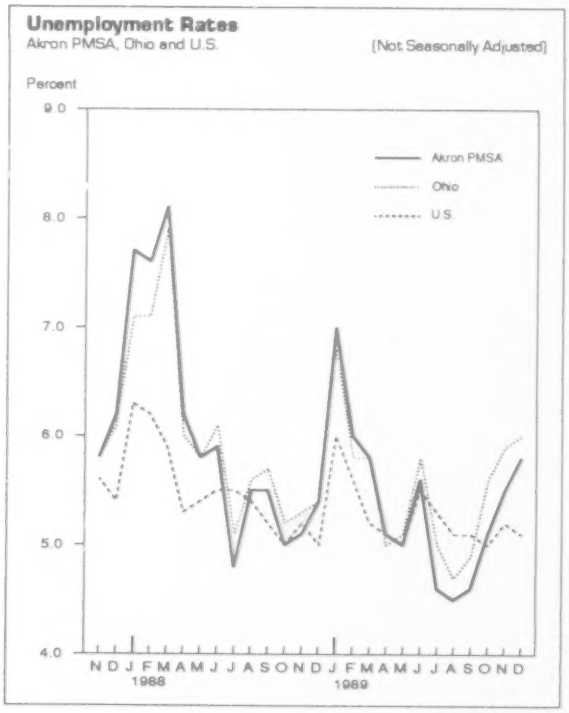


Nonagricultural payroll employment in the Akron metropolitan area totaled 278,800 in January 1990, down 10,600 from the December 1989 level. Service-producing industries declined 9,300 due to seasonal layoffs of nonteaching personnel in state schools and colleges and the cyclical downturn in retail trade and services. Employment in goods-producing industries dropped 1,300 from last month to 76,900. A seasonal decrease in construction negated a nominal gain in manufacturing, especially rubber and miscellaneous plastics products. Factory production workers averaged $11.67 per hour, down $.04 from December. Their average workweek of 43.0 hours was .1 hours shorter.

Nonfarm wage and salary employment advanced 11,600 between January 1989 and January 1990. Service-producing industries added 10,300 jobs due chiefly to growth in services and retail trade. A labor-management dispute in local schools lowered employment in government in January 1989. Scattered gains in manufacturing raised employment in goods-producing industries 1,200 over the year. Increased production in rubber and miscellaneous plastics products, especially tires and inner tubes, and in industrial machinery and equipment overshadowed a reduction in transportation equipment.

Seasonally adjusted employment in the Akron area was unchanged from December 1989 at 286,000 in January 1990. Scattered improvements in goods-producing industries counterbalanced a slight decline in service-producing industries. Over the year, total employment increased 11,000 primarily due to gains in retail trade and services and to the settlement of a labor-management dispute in local government.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.8	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	272.7	66.2	37.7	502.28	43.3	11.60
334.1	316.1	18.0	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1988						
329.3	311.3	17.9	5.4	December	279.1	66.4	38.9	499.82	43.2	11.57
				1989						
329.4	306.2	23.2	7.0	January	267.3	66.6	39.0	496.78	42.9	11.58
331.3	311.4	19.9	6.0	February	271.9	66.7	39.1	489.60	42.5	11.52
331.2	312.1	19.1	5.8	March	278.8	67.5	39.5	495.62	42.8	11.58
328.6	311.8	16.7	5.1	April	281.2	67.7	39.8	493.85	42.5	11.62
333.1	316.5	16.6	5.0	May	284.9	68.1	40.0	495.32	42.7	11.60
335.7	317.0	18.7	5.6	June	283.0	68.4	40.2	483.49	42.3	11.43
335.4	320.1	15.3	4.6	July	281.6	68.5	40.1	482.05	42.1	11.45
335.6	320.6	15.0	4.5	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
338.9	321.5	17.3	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
337.1	318.4	18.7	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
336.2	316.6	19.7	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
.A	INA	INA	INA	January	278.8	67.8	38.7	501.81	43.0	11.67

INA – information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
275	78	10	67	January	197	13	15	54	10	64	40
277	78	10	67	February	199	13	15	54	10	64	42
282	79	10	68	March	203	13	16	55	10	65	44
281	78	10	68	April	203	13	15	55	10	65	44
282	78	10	68	May	203	13	15	55	10	66	44
284	78	10	68	June	205	13	15	55	10	67	44
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
286	79	10	68	January	207	13	16	57	11	67	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	278.8	289.4	267.3	-10.6	11.6
Goods-Producing Industries[g]	76.9	78.2	75.7	-1.3	1.2
Construction	8.5	9.9	8.5	-1.4	.0
Manufacturing	67.8	67.7	66.6	.1	1.2
Durable Goods[e]	35.0	35.0	34.6	.0	.3
Fabricated Metal Products	11.1	11.1	10.9	.0	.2
Fabricated Structural Metal Products	4.9	4.9	4.7	.0	.2
Industrial Machinery and Equipment	10.2	10.3	9.9	.0	.4
Metalworking Machinery	3.9	3.9	3.7	.0	.2
Electronic and Other Electric Equipment[e]	2.6	2.5	2.6	.0	.0
Transportation Equipment	5.0	4.9	5.5	.0	-.5
Nondurable Goods[f]	32.8	32.7	32.0	.2	.9
Food and Kindred Products	3.1	3.1	3.0	.0	.1
Chemicals and Allied Products	3.6	3.6	3.6	.0	.1
Rubber and Miscellaneous Plastics Products	20.3	20.1	19.5	.2	.8
Tires and Inner Tubes	11.4	11.1	10.4	.3	1.0
Service-Producing Industries	201.9	211.2	191.6	-9.3	10.3
Transportation and Public Utilities	13.1	13.3	12.7	-.2	.4
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	-.2
Wholesale Trade	15.6	15.8	15.2	-.1	.4
Retail Trade	55.2	57.9	52.3	-2.7	2.8
General Merchandise Stores	8.0	8.6	6.4	-.6	1.6
Food Stores	9.1	9.5	8.7	-.4	.4
Finance, Insurance, and Real Estate	10.5	10.5	10.1	.0	.4
Finance	5.3	5.4	5.1	.0	.2
Services	65.1	67.1	62.1	-1.9	3.0
Business Services	11.2	11.7	10.3	-.5	.8
Personnel Supply Services	2.8	3.3	2.8	-.5	.0
Amusements, Including Motion Pictures	5.0	5.2	3.9	-.2	1.0
Health Services	21.8	21.9	21.2	-.1	.6
Nursing and Personal Care Facilities	3.9	3.9	3.6	.0	.3
Hospitals	10.9	10.9	10.8	.0	.1
Social Services	4.5	4.9	4.5	-.4	-.1
Engineering and Management Services	5.0	5.1	4.7	-.2	.2
Government	42.4	46.7	39.1	-4.3	3.3
Federal Government	2.4	2.4	2.4	-.1	-.1
State Government	13.9	17.7	12.8	-3.8	1.1
State Government Education[i]	11.1	14.9	9.9	-3.8	1.2
Local Government	26.1	26.5	23.9	-.4	2.2
Local Government Education	14.4	14.8	12.4[j]	-.3	2.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

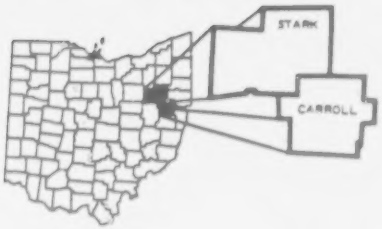
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$501.81	$504.70	$496.78	43.0	43.1	42.9	$11.67	$11.71	$11.58
Durable Goods[e]	504.82	515.79	515.16	43.0	43.6	43.4	11.74	11.83	11.87
Fabricated Metal Products	589.40	569.38	622.31	42.1	41.2	42.8	14.00	13.82	14.54
Fabricated Structural Metal Products	493.48	486.33	432.38	42.8	42.4	39.2	11.53	11.47	11.03
Industrial Machinery and Equipment	484.55	512.60	470.02	44.7	46.6	45.9	10.84	11.00	10.24
Metalworking Machinery	499.50	516.32	496.80	45.0	46.1	46.0	11.10	11.20	10.80
Electronic and Other Electric Equipment	375.18	400.32	388.85	39.0	40.6	39.8	9.62	9.86	9.77
Transportation Equipment	638.15	695.84	675.55	43.5	45.9	45.4	14.67	15.16	14.88
Nondurable Goods[f]	499.10	487.30	471.80	43.1	42.3	42.2	11.58	11.52	11.18
Food and Kindred Products	371.94	397.28	433.05	39.4	41.6	41.8	9.44	9.55	10.36
Chemicals and Allied Products	529.00	531.83	503.37	43.9	43.7	42.3	12.05	12.17	11.90
Rubber and Miscellaneous Plastics Products	513.26	493.93	468.42	44.4	43.1	42.7	11.56	11.46	10.97
Tires and Inner Tubes	795.14	828.65	756.90	47.9	50.1	47.1	16.60	16.54	16.07
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	593.41	605.68	576.10	40.7	41.4	40.8	14.58	14.63	14.12
Wholesale Trade	358.06	356.09	346.33	36.8	36.9	37.2	9.73	9.65	9.31
Retail Trade[h]	212.66	220.89	207.37	31.0	32.2	32.2	6.86	6.86	6.44
General Merchandise Stores	199.47	214.51	207.67	30.5	32.6	31.9	6.54	6.58	6.51
Food Stores	314.94	313.63	332.87	36.2	36.3	39.3	8.70	8.64	8.47
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	288.24	277.11	270.32	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

CANTON
METROPOLITAN STATISTICAL AREA

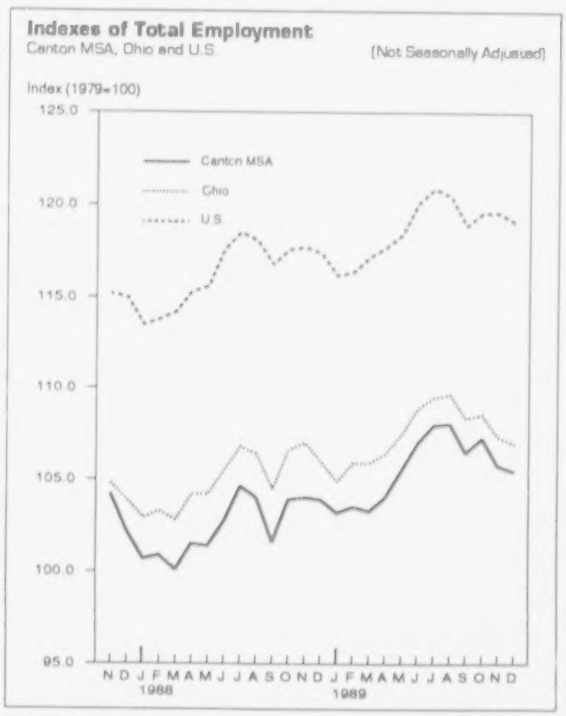


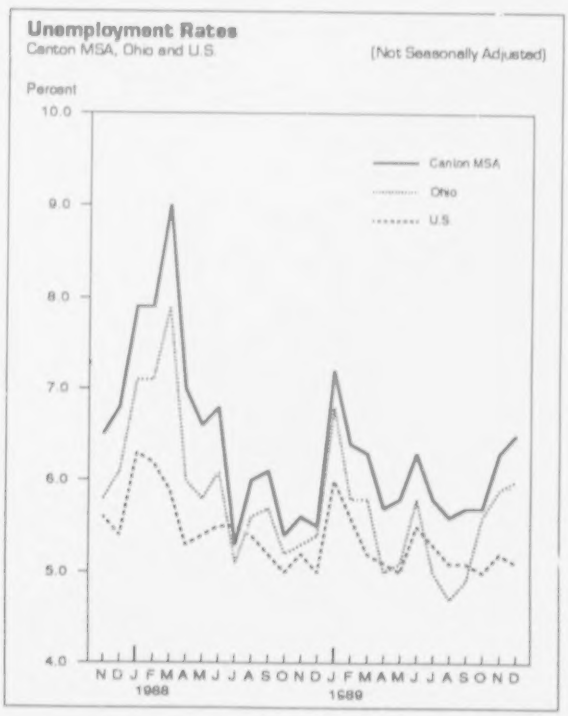
Note: Canton metropolitan area statistics are no longer funded by the U.S. Bureau of Labor Statistics.

Nonfarm payroll employment in the Canton metropolitan area decreased 3,900 from the December 1989 level to 163,300 in January 1990. Seasonal reductions in retail trade and services lowered service-producing industries 2,800. Employment in goods-producing industries, at 52,400, declined 1,100 due to cyclical cutbacks in construction. Manufacturing production workers averaged $11.21 per hour, down fractionally from December. Their average workweek of 42.2 hours was .5 hours longer.

Nonagricultural wage and salary employment advanced 2,100 between January 1989 and January 1990. The growth was concentrated in the service-producing sector with moderate expansion in services (+1,300) and retail trade (+1,200). Goods-producing industries lost 700 jobs during the period with scattered reductions in durable-goods manufacturing, especially primary metal industries, fabricated metal products, and electronic and other electric equipment.

Seasonally adjusted employment in the Canton area, at 166,000 in January 1990, was unchanged from December 1989. A slight increase in retail trade offset a minor reduction in wholesale trade. Since January 1989, total payroll employment rose 2,000. Modest growth in retail trade and services overshadowed declines in manufacturing and wholesale trade.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.7	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
195.4	183.5	11.9	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1988						
191.0	180.5	10.4	5.5	December	163.8	46.3	33.4	471.41	42.7	11.04
				1989						
193.0	179.2	13.9	7.2	January	161.2	46.2	33.3	475.58	43.0	11.06
192.1	179.7	12.3	6.4	February	160.8	46.1	33.1	463.94	42.1	11.02
191.5	179.4	12.1	6.3	March	162.2	46.2	33.1	464.67	41.9	11.09
191.7	180.7	11.0	5.7	April	163.0	46.0	33.1	469.56	42.0	11.18
194.6	183.3	11.3	5.8	May	164.7	46.2	33.2	470.82	42.0	11.21
198.4	185.9	12.4	6.3	June	165.7	46.4	33.3	476.30	42.3	11.26
199.3	187.6	11.6	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
198.7	187.7	11.0	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
196.1	185.0	11.1	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
197.6	186.3	11.3	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
196.0	183.7	12.3	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
196.1	183.3	12.8	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
INA	INA	INA	INA	January	163.3	45.6	31.7	473.06	42.2	11.21

INA – information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	66	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
164	55	7	47	January	110	6	9	32	7	37	19
165	55	8	47	February	110	6	9	32	7	37	19
165	55	7	47	March	110	6	9	33	7	38	19
164	54	7	46	April	110	6	8	32	7	38	19
164	54	7	46	May	110	6	8	32	7	38	19
164	54	7	46	June	110	6	8	33	7	38	19
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	163.3	167.2	161.2	-3.9	2.1
Goods-Producing Industries[g]	52.4	53.5	53.1	-1.1	-.7
Construction	6.1	7.1	6.1	-1.0	.0
Manufacturing	45.6	45.6	46.2	-.1	-.6
Durable Goods[e]	33.6	33.7	34.5	-.1	-.9
Primary Metal Industries	11.2	11.3	11.8	-.1	-.6
Fabricated Metal Products	6.2	6.3	6.6	.0	-.4
Electronic and Other Electric Equipment	4.0	4.0	4.5	.0	-.4
Nondurable Goods[f]	12.0	12.0	11.8	.0	.2
Food and Kindred Products	3.5	3.4	3.2	.0	.2
Rubber and Miscellaneous Plastics Products	3.1	3.1	3.2	.0	-.1
Service-Producing Industries	110.8	113.7	108.1	-2.8	2.8
Transportation and Public Utilities	5.5	5.6	5.6	-.2	-.1
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.4	8.5	8.5	-.1	-.1
Retail Trade	32.8	34.5	31.7	-1.6	1.2
General Merchandise Stores	4.2	4.6	3.8	-.4	.4
Food Stores	5.5	5.7	5.5	-.2	.0
Finance, Insurance, and Real Estate	6.8	6.8	6.8	.0	.0
Finance	3.9	3.9	3.8	.0	.1
Services	37.7	38.6	36.4	-.8	1.3
Health Services	15.7	15.7	15.2	-.1	.5
Nursing and Personal Care Facilities	3.8	3.8	3.7	.0	.1
Hospitals	7.3	7.3	7.1	.0	.2
Government	19.6	19.7	19.1	-.1	.5
Federal Government	1.4	1.4	1.4	.0	-.1
State Government (Includes Education)	1.7	1.7	1.7	-.1	.0
Local Government	16.6	16.6	16.1	.0	.5
Local Government Education	10.1	10.1	9.7	.0	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan 1989[c]
Manufacturing	$473.06	$467.87	$475.58	42.2	41.7	43.0	$11.21	$11.22	$11.06
Durable Goods[e]	501.12	493.00	508.12	43.2	42.5	44.3	11.60	11.60	11.47
Primary Metal Industries	540.54	516.12	540.62	45.5	44.0	47.8	11.88	11.73	11.31
Fabricated Metal Products	487.49	488.38	486.30	41.0	40.8	40.9	11.89	11.97	11.89
Electronic and Other Electric Equipment	532.27	534.93	521.37	39.9	40.1	40.7	13.34	13.34	12.81
Nondurable Goods[f]	391.43	390.43	376.74	39.3	39.2	39.0	9.96	9.96	9.66
Food and Kindred Products	393.59	409.11	344.52	37.7	39.0	36.0	10.44	10.49	9.57
Rubber and Miscellaneous Plastics Products	400.16	393.72	402.82	41.0	40.8	41.7	9.76	9.65	9.66
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	570.57	581.58	575.28	39.9	40.5	40.8	14.30	14.36	14.10
Wholesale Trade	365.69	371.42	387.98	37.7	37.9	38.0	9.70	9.80	10.21
Retail Trade[h]	170.24	174.87	161.88	28.0	29.0	28.4	6.08	6.03	5.70
General Merchandise Stores	187.05	209.95	192.18	29.0	32.3	30.7	6.45	6.50	6.26
Food Stores	160.56	162.66	154.00	27.4	27.9	27.5	5.86	5.83	5.60
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	188.48	180.25	170.81	30.4	29.5	29.5	6.20	6.11	5.79

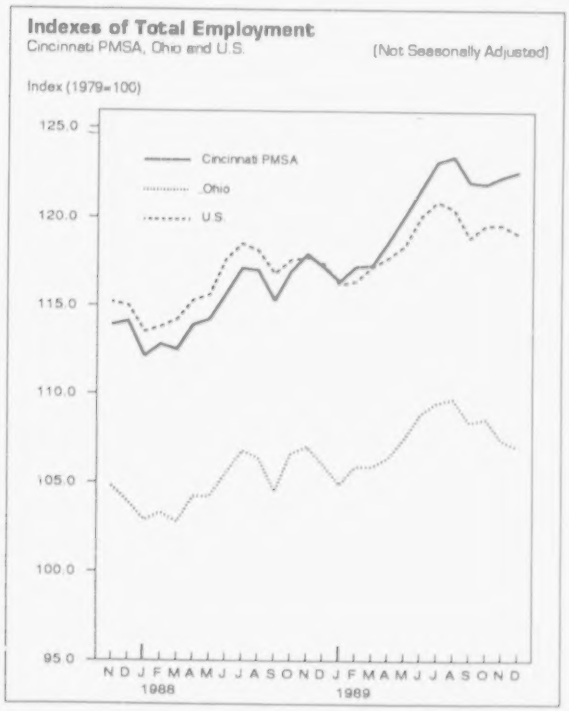
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

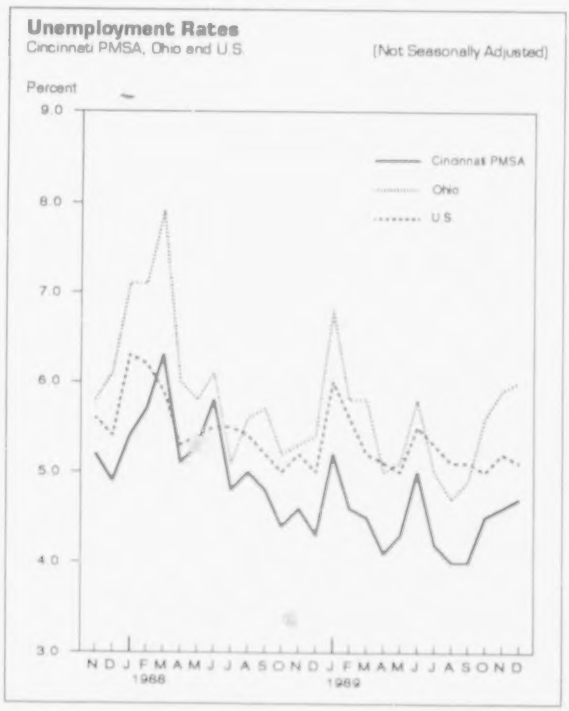
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA

In the Cincinnati metropolitan area, total nonfarm payroll employment dropped 22,300 below the December 1989 level to 725,900 in January 1990. The release of temporary workers in services and retail trade lowered service-producing industries 18,400. Employment in goods-producing industries declined 3,900 over the month to 181,100 mainly due to seasonal layoffs in construction. Manufacturing production workers averaged $11.71 per hour, up $.07 from December. Their average workweek was unchanged at 42.8 hours.

Nonagricultural wage and salary employment advanced 24,000 between January 1989 and January 1990. Service-producing industries contributed 77.5 percent of the gain. Leading areas of improvement were retail trade (+8,400) and services (+5,000). Noteworthy increases also occurred in transportation and public utilities and wholesale trade. Expansion in manufacturing, especially transportation equipment, food and kindred products, and printing and publishing, and modest growth in construction raised employment in goods-producing industries 5,400 during the period.

Seasonally adjusted employment in the Cincinnati area totaled 740,000 in January 1990, unchanged from December 1989. Gains in manufacturing, transportation and public utilities, and retail trade offset a decline in services. Since January 1989, total payroll employment rose 24,000. Most of the growth occurred in retail trade, services, manufacturing, and transportation and public utilities.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
792.6	757.1	35.5	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1988						
768.8	736.1	32.7	4.3	December	718.9	147.1	92.9	495.63	43.4	11.42
				1989						
771.2	730.9	40.3	5.2	January	701.9	144.6	91.3	490.20	42.7	11.48
771.5	736.3	35.3	4.6	February	704.5	144.2	91.1	495.92	42.9	11.56
772.0	736.9	35.1	4.5	March	713.1	144.8	91.4	490.14	42.4	11.56
776.6	744.9	31.7	4.1	April	717.9	144.8	91.3	494.04	42.7	11.57
788.8	754.5	34.3	4.3	May	722.9	144.7	91.3	487.90	42.5	11.48
803.5	763.7	39.8	5.0	June	729.2	146.2	92.1	500.39	43.1	11.61
807.8	773.5	34.3	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
806.8	774.8	32.0	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
798.2	766.2	32.0	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
801.6	765.6	36.0	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
805.2	768.2	37.0	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
807.9	769.8	38.1	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
INA	INA	INA	INA	January	725.9	148.9	93.9	501.19	42.8	11.71

INA – information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
716	180	34	146	January	536	38	47	139	42	180	89
720	181	35	146	February	539	39	47	140	42	181	90
724	182	35	146	March	542	39	47	141	43	183	90
719	180	34	146	April	539	39	47	140	43	180	90
719	180	34	145	May	539	39	47	140	43	180	89
723	181	34	146	June	542	39	47	142	43	182	90
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
740	186	35	150	January	555	41	49	147	43	186	90

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	725.9	748.2	701.9	-22.3	24.0
Goods-Producing Industries[g]	181.1	185.0	175.7	-3.9	5.4
Construction	31.8	34.9	30.7	-3.1	1.1
Manufacturing	148.9	149.7	144.6	-.8	4.3
Durable Goods[e]	80.6	81.1	78.4	-.5	2.2
Fabricated Metal Products	12.4	12.4	12.2	-.1	.2
Fabricated Structural Metal Products	4.6	4.6	4.3	.0	.3
Industrial Machinery and Equipment	19.6	19.6	19.3	.0	.4
Electronic and Other Electric Equipment	8.0	8.0	7.7	.0	.3
Transportation Equipment	24.8	24.8	23.8	.0	.9
Motor Vehicles and Equipment	5.0	5.0	4.9	.0	.1
Instruments and Related Products	3.7	3.7	3.5	-.1	.2
Nondurable Goods[f]	68.3	68.6	66.3	-.3	2.1
Food and Kindred Products	12.6	12.6	11.9	.0	.7
Beverages	2.9	2.9	2.9	.0	.0
Apparel and Other Textile Products	3.7	3.7	3.4	-.1	.2
Paper and Allied Products	6.0	6.0	5.8	.0	.2
Printing and Publishing	14.4	14.5	13.7	.0	.7
Commercial Printing	6.4	6.4	6.1	.0	.3
Chemicals and Allied Products	22.3	22.4	22.5	-.1	-.2
Rubber and Miscellaneous Plastics Products	6.6	6.7	6.6	-.1	.1
Service-Producing Industries	544.7	563.1	526.2	-18.4	18.6
Transportation and Public Utilities	39.8	40.5	37.7	-.7	2.1
Transportation	23.5	24.2	22.0	-.6	1.6
Trucking and Warehousing	10.6	11.1	9.8	-.5	.8
Transportation by Air	6.3	6.2	5.8	.0	.5
Communications, Electric, Gas Services	16.2	16.3	15.7	.0	.5
Communications	9.8	9.9	9.7	-.1	.0
Wholesale Trade	48.7	49.2	46.7	-.5	2.0
Wholesale Trade-Durable Goods	29.0	29.2	28.2	-.2	.9
Retail Trade	144.5	151.8	136.0	-7.3	8.4
General Merchandise Stores	22.4	24.4	19.9	-2.1	2.5
Finance, Insurance, and Real Estate	42.3	42.7	41.7	-.4	.5
Finance	17.3	17.3	17.0	.0	.3
Depository Institutions	13.6	13.6	13.3	.0	.4
Commercial Banks	9.5	9.4	9.2	.0	.2
Insurance	17.0	17.0	17.1	-.1	-.1
Insurance Carriers	14.2	14.2	14.5	.0	-.3
Life Insurance	6.8	6.8	7.0	-.1	-.2
Fire, Marine, and Casualty Insurance	5.1	5.0	5.0	.0	.1
Services	179.3	187.2	174.2	-8.0	5.0
Hotels and Other Lodging Places	7.0	7.4	6.7	-.4	.3
Personal Services	8.7	8.4	8.4	.3	.3
Business Services	35.6	37.3	35.5	-1.8	.1
Services to Buildings	5.7	5.9	5.6	-.2	.1
Computer and Data Processing Services	4.6	4.6	4.3	.0	.3
Amusements, Including Motion Pictures	8.6	12.1	8.6	-3.6	.0
Health Services	56.6	57.1	54.7	-.5	1.9
Nursing and Personal Care Facilities	11.0	11.1	10.5	-.1	.4
Hospitals	27.1	27.2	26.5	.0	.7
Legal Services	4.4	4.5	4.1	.0	.3
Educational Services	7.1	7.3	6.9	-.2	.2
Social Services	12.2	12.4	11.7	-.2	.5
Residential Care	4.7	4.8	4.5	-.1	.2
Engineering and Management Services	16.0	16.5	15.6	-.4	.4
Engineering and Architectural Services	5.6	5.7	5.5	-.1	.1
Government	90.2	91.7	89.8	-1.5	.5
Federal Government	16.2	16.0	16.0	.2	.2
State Government	20.5	21.1	20.4	-.6	.1
State Government Education[i]	12.6	13.0	12.6	-.4	.0
Local Government	53.6	54.7	53.4	-1.1	.2
Local Government Education	0.6	31.6	30.6	-1.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

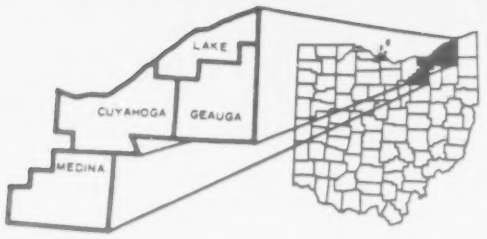
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$501.19	$498.19	$490.20	42.8	42.8	42.7	$11.71	$11.64	$11.48
Durable Goods[e]	488.63	488.20	496.22	42.9	42.9	43.3	11.39	11.38	11.46
Fabricated Metal Products	417.18	423.36	443.93	42.7	43.2	43.3	9.77	9.80	10.25
Fabricated Structural Metal Products	447.89	473.25	501.02	43.4	44.9	45.3	10.32	10.54	11.06
Industrial Machinery and Equipment	471.28	481.78	453.69	43.0	43.6	42.6	10.96	11.05	10.65
Electronic and Other Electric Equipment	386.98	380.07	358.50	41.7	41.0	40.6	9.28	9.27	8.83
Transportation Equipment	725.40	708.72	770.36	45.0	43.4	47.7	16.12	16.33	16.15
Motor Vehicles and Equipment	792.90	885.01	862.52	45.7	48.6	49.4	17.35	18.21	17.46
Instruments and Related Products	348.57	380.68	326.65	43.9	45.7	41.4	7.94	8.33	7.89
Nondurable Goods[f]	513.25	508.56	483.73	42.7	42.7	42.1	12.02	11.91	11.49
Food and Kindred Products	517.41	494.28	482.38	43.7	42.5	41.3	11.84	11.63	11.68
Beverages	568.46	576.79	501.20	43.0	43.4	40.0	13.22	13.29	12.53
Apparel and Other Textile Products	247.94	250.65	229.25	38.5	38.8	38.4	6.44	6.46	5.97
Paper and Allied Products	466.71	453.84	442.89	42.7	42.1	42.1	10.93	10.78	10.52
Printing and Publishing	492.34	508.57	445.31	41.2	42.1	39.2	11.95	12.08	11.36
Commercial Printing	519.60	532.61	473.89	43.3	44.2	41.9	12.00	12.05	11.31
Chemicals and Allied Products	635.36	634.57	589.91	44.0	44.5	43.6	14.44	14.26	13.53
Rubber and Miscellaneous Plastics Products	410.90	401.10	432.91	42.1	42.0	46.3	9.76	9.55	9.35
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	580.68	577.37	583.57	39.8	39.6	41.3	14.59	14.58	14.13
Communications	579.22	571.34	576.91	38.9	38.5	40.4	14.89	14.84	14.28
Wholesale Trade	430.49	429.24	411.93	39.1	39.2	39.8	11.01	10.95	10.35
Retail Trade[h]	167.59	174.53	163.59	27.7	28.8	28.5	6.05	6.06	5.74
General Merchandise Stores	204.90	221.76	194.24	30.0	32.0	29.7	6.83	6.93	6.54
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	304.87	299.54	265.16	....	....	....	.....	.....	.....
Commercial Banks	279.14	269.08	262.08	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	408.36	409.09	393.48	....	....	....	.....	.....	.....
Life Insurance	418.10	417.21	407.52	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	418.08	421.88	387.79	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	428.52	427.80	376.53	33.4	33.5	32.6	12.83	12.77	11.55
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	649.72	659.28	569.25	41.2	41.7	41.4	15.77	15.81	13.75

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

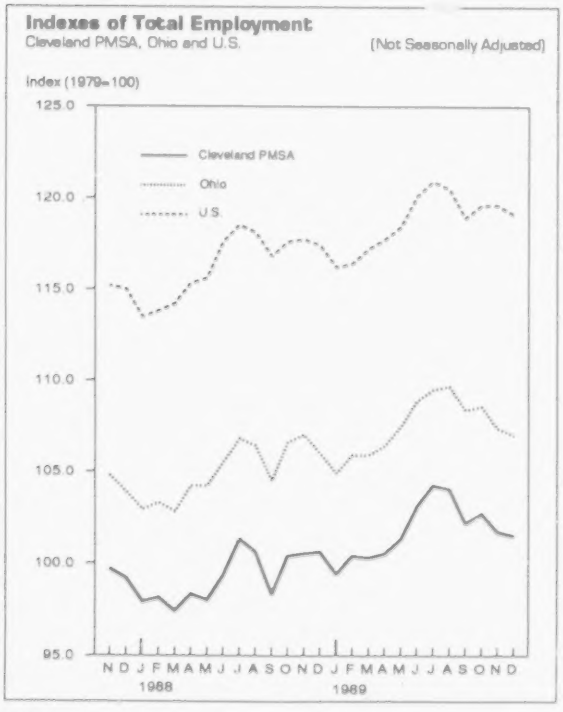
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

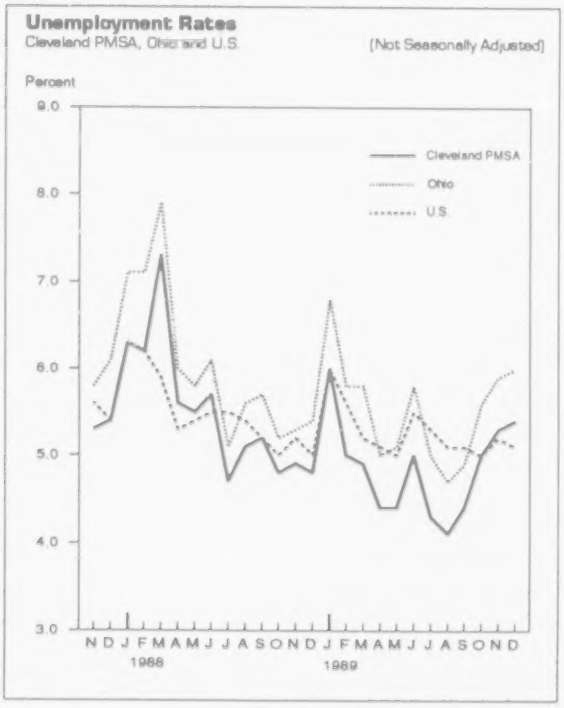


Nonagricultural payroll employment in the Cleveland metropolitan area fell 27,500 below the December 1989 level to 926,000 in January 1990. Service-producing industries declined 20,400 due chiefly to seasonal decreases in retail trade and services. Less business in construction, especially special trade contractors, and temporary shutdowns in durable-goods manufacturing, particularly metal forgings and stampings and motor vehicles and equipment, lowered employment in goods-producing industries 7,100 to 235,800. Factory production workers averaged $11.68 per hour, down $.22 from December. Their average workweek of 42.4 hours was .6 hours shorter.

Nonfarm wage and salary employment advanced 17,600 between January 1989 and January 1990. Service-producing industries contributed 88.6 percent of the gain. Primary growth industries were services and retail trade. Noteworthy improvements also occurred in wholesale trade, local government, and transportation and public utilities. The workforce in goods-producing industries added 2,000 jobs over the year. Modest expansion in construction, especially special trade contractors, and in nondurable-goods manufacturing more than offset a decline in durable-goods manufacturing, particularly metal forgings and stampings.

Seasonally adjusted employment in the Cleveland area increased 1,000 from December 1989 to 945,000 in January 1990 due to scattered gains in service-producing industries. A decline in construction reduced goods-producing employment 1,000. Since January 1989, total payroll employment rose 19,000. Most of the growth occurred in service-producing industries, especially services and retail trade.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.7	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.0	904.8	46.2	4.9	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1988						
939.6	894.4	45.2	4.8	December	932.1	206.9	134.7	532.36	44.4	11.99
				1989						
940.3	883.9	56.4	6.0	January	908.4	205.4	133.3	522.97	43.8	11.94
939.7	892.4	47.3	5.0	February	911.5	206.1	133.4	513.42	43.4	11.83
938.3	892.2	46.1	4.9	March	920.7	206.9	134.0	517.85	43.7	11.85
934.6	893.2	41.4	4.4	April	922.0	206.0	133.3	517.53	43.6	11.87
942.2	900.4	41.8	4.4	May	933.8	207.1	133.4	511.49	43.2	11.84
964.9	916.3	48.6	5.0	June	944.6	208.4	133.9	511.69	43.4	11.79
967.2	926.0	41.2	4.3	July	943.5	206.0	131.7	484.78	41.9	11.57
964.5	924.6	39.9	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
950.6	908.9	41.7	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
961.0	912.8	48.2	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
955.2	904.6	50.6	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
953.9	902.8	51.1	5.4	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
INA	INA	INA	INA	January	926.0	205.9	131.7	495.23	42.4	11.68

INA – information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
926	239	32	207	January	687	42	65	157	57	249	118
931	241	32	208	February	690	41	66	159	57	250	118
936	242	33	208	March	694	42	66	159	57	252	119
928	241	33	207	April	688	42	66	158	57	250	116
932	241	33	207	May	691	42	66	158	57	250	118
934	241	33	207	June	693	42	66	158	57	251	118
934	240	33	206	July	694	42	66	159	57	253	117
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	703	43	67	161	57	255	119

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	926.0	953.5	908.4	-27.5	17.6
Goods-Producing Industries[g]	235.8	242.9	233.8	-7.1	2.0
Construction	29.0	33.8	27.5	-4.8	1.5
Special Trade Contractors	20.1	23.6	18.5	-3.5	1.6
Manufacturing	205.9	208.2	205.4	-2.3	.5
Durable Goods[e]	140.4	142.6	141.7	-2.2	-1.3
Stone, Clay, and Glass Products	3.4	3.5	3.4	.0	.0
Primary Metal Industries	21.1	21.3	21.3	-.2	-.2
Iron and Steel Foundries	4.6	4.6	4.7	.0	-.2
Fabricated Metal Products	33.3	34.3	34.7	-1.0	-1.4
Screw Machine Products, Bolts, etc.	5.1	5.1	5.2	.0	-.1
Metal Forgings and Stampings	10.1	11.0	11.4	-1.0	-1.4
Industrial Machinery and Equipment	33.6	33.7	33.3	-.1	.3
Metalworking Machinery	12.8	13.0	12.8	-.2	.0
Electronic and Other Electric Equipment	15.6	15.6	15.5	.0	.1
Electrical Industrial Apparatus	4.5	4.5	4.2	.0	.2
Electric Lighting and Wiring Equipment	5.4	5.3	5.2	.1	.1
Transportation Equipment	18.7	19.6	19.2	-.9	-.5
Motor Vehicles and Equipment	11.6	12.5	12.0	-.9	-.5
Instruments and Related Products	7.1	7.1	6.9	.0	.2
Measuring and Controlling Devices	4.9	4.9	4.8	.0	.2
Nondurable Goods[f]	65.5	65.6	63.8	-.1	1.7
Food and Kindred Products	6.9	6.7	6.6	.2	.3
Apparel and Other Textile Products	3.3	3.3	3.4	.0	-.1
Paper and Allied Products	5.8	5.9	6.0	-.1	-.1
Printing and Publishing	16.9	17.1	16.1	-.2	.8
Chemicals and Allied Products	14.7	14.6	14.3	.0	.3
Rubber and Miscellaneous Plastics Products	12.1	12.1	11.8	.1	.3
Miscellaneous Plastics Products	7.6	7.7	7.1	-.1	.5
Service-Producing Industries	690.2	710.6	674.6	-20.4	15.6
Transportation and Public Utilities	41.8	43.7	40.6	-1.8	1.2
Transportation	24.4	26.2	23.2	-1.7	1.2
Trucking and Warehousing	11.2	12.3	11.0	-1.1	.2
Transportation by Air	5.4	5.3	4.8	.1	.5
Communications, Electric, Gas Services	17.4	17.5	17.4	-.1	.0
Communications	10.2	10.2	10.3	.0	-.1
Electric, Gas, and Sanitary Services	7.2	7.3	7.1	-.1	.1
Wholesale Trade	66.8	67.3	64.8	-.5	2.1
Wholesale Trade-Durable Goods	45.5	45.9	44.1	-.3	1.4
Motor Vehicles, Parts, and Supplies	4.0	4.1	4.1	.0	-.1
Professional and Commercial Equipment	9.0	9.1	8.8	-.1	.2
Retail Trade	158.6	168.1	154.5	-9.5	4.1
General Merchandise Stores	21.5	23.5	20.3	-2.0	1.2
Finance, Insurance, and Real Estate	56.8	57.1	56.1	-.3	.7
Finance	27.9	27.9	27.6	.0	.3
Depository Institutions	20.6	20.6	20.6	.0	.1
Commercial Banks	13.0	13.0	12.6	.1	.5
Insurance	18.2	18.3	18.1	-.1	.1
Insurance Carriers	13.8	13.8	13.6	-.1	.2
Fire, Marine, and Casualty Insurance	6.3	6.3	6.3	.0	.0
Services	248.1	254.6	242.3	-6.5	5.8
Business Services	51.8	53.1	50.0	-1.2	1.8
Personnel Supply Services	19.6	20.6	19.5	-1.0	.2
Computer and Data Processing Services	6.6	6.6	5.9	.0	.7
Amusements, Including Motion Pictures	8.7	10.4	9.2	-1.8	-.5
Health Services	78.8	79.2	77.3	-.4	1.5
Nursing and Personal Care Facilities	13.3	13.5	12.9	-.1	.4
Hospitals	43.6	43.6	43.5	.0	.1
Legal Services	9.5	9.5	9.1	.0	.4
Educational Services	17.5	18.3	17.8	-.8	-.3
Social Services	13.7	14.0	13.1	-.3	.6
Residential Care	3.6	3.7	3.4	-.1	.2
Engineering and Management Services	21.0	21.6	20.5	-.6	.5
Engineering and Architectural Services	7.6	7.9	7.2	-.3	.4
Accounting, Auditing, and Bookkeeping	6.4	6.4	6.6	.0	-.2
Management and Public Relations	4.4	4.6	4.2	-.2	.2
Government	118.1	119.9	116.4	-1.8	1.7
Federal government	20.6	20.9	20.7	-.3	-.1
State government	7.6	8.1	7.8	-.5	-.2
State government education[i]	2.7	3.2	2.9	-.5	-.2
Local government	89.8	90.9	87.9	-1.0	1.9
Local government education	46.2	47.3	45.2	-1.1	1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

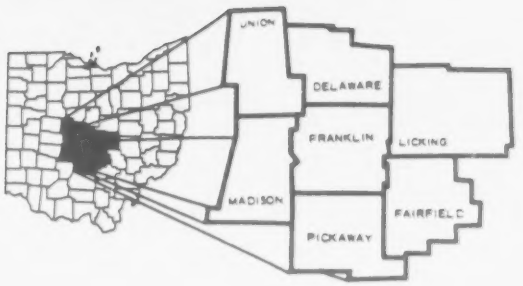
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$495.23	$511.70	$522.97	42.4	43.0	43.8	$11.68	$11.90	$11.94
Durable Goods[e]	518.81	542.82	556.07	42.7	43.6	44.7	12.15	12.45	12.44
Stone, Clay, and Glass Products	477.24	489.63	487.05	41.0	41.6	42.5	11.64	11.77	11.46
Primary Metal Industries	518.30	527.88	565.95	43.3	44.1	46.2	11.97	11.97	12.25
Iron and Steel Foundries	766.39	762.08	984.19	44.3	44.0	52.6	17.30	17.32	18.64
Fabricated Metal Products	524.67	527.30	545.81	42.9	42.8	43.7	12.23	12.32	12.49
Screw Machine Products, Bolts, etc.	515.81	501.30	587.94	43.2	42.7	47.3	11.94	11.74	12.43
Metal Forgings and Stampings	651.13	645.60	690.46	43.7	43.3	46.0	14.90	14.91	15.01
Industrial Machinery and Equipment	505.01	526.24	568.26	43.2	44.0	46.2	11.69	11.96	12.30
Metalworking Machinery	513.77	530.72	570.00	43.8	44.9	45.6	11.73	11.82	12.50
Electronic and Other Electric Equipment	424.91	419.99	426.96	40.7	40.5	41.9	10.44	10.37	10.19
Electrical Industrial Apparatus	439.95	431.60	435.44	42.1	41.5	42.9	10.45	10.40	10.15
Electric Lighting and Wiring Equipment	378.62	366.15	377.91	37.9	37.4	39.0	9.99	9.79	9.69
Transportation Equipment	663.92	758.62	750.20	42.1	45.7	46.8	15.77	16.60	16.03
Motor Vehicles and Equipment	721.76	843.59	841.27	41.6	46.3	48.1	17.35	18.22	17.49
Instruments and Related Products	460.46	449.77	369.08	42.4	41.8	39.9	10.86	10.76	9.25
Measuring and Controlling Devices	477.63	479.83	445.20	43.5	43.7	42.0	10.98	10.98	10.60
Nondurable Goods[f]	437.00	435.97	438.88	41.5	41.6	41.6	10.53	10.48	10.55
Food and Kindred Products	465.21	479.27	462.76	42.1	43.1	42.3	11.05	11.12	10.94
Apparel and Other Textile Products	375.71	376.27	376.94	39.3	39.4	40.1	9.56	9.55	9.40
Paper and Allied Products	506.47	516.64	513.97	44.9	45.2	43.3	11.28	11.43	11.87
Printing and Publishing	380.85	369.15	372.18	38.2	37.9	37.9	9.97	9.74	9.82
Chemicals and Allied Products	548.58	540.58	536.98	43.4	42.7	43.2	12.64	12.66	12.43
Rubber and Miscellaneous Plastics Products	374.11	381.74	390.53	41.8	42.7	43.2	8.95	8.94	9.04
Miscellaneous Plastics Products	385.53	390.92	394.19	42.6	43.1	42.8	9.05	9.07	9.21
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	464.75	469.91	430.25	33.8	34.3	31.8	13.75	13.70	13.53
Communications, Electric, Gas Services	618.82	610.78	596.26	40.9	40.6	40.7	15.13	14.97	14.65
Wholesale Trade	457.43	460.52	455.03	39.4	39.7	40.7	11.61	11.60	11.18
Retail Trade[h]	182.92	186.26	180.22	26.9	27.8	27.1	6.80	6.70	6.65
General Merchandise Stores	186.45	200.34	179.15	27.5	30.4	26.9	6.78	6.59	6.66
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	328.62	317.17	321.13	....	....	....	.....	.....	.....
Depository Institutions	299.38	292.29	306.59	....	....	....	.....	.....	.....
Commercial Banks	289.90	287.67	312.46	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	325.21	320.33	312.69	31.3	31.1	31.3	10.39	10.30	9.99
Nursing and Personal Care Facilities	228.00	224.29	210.59	32.9	32.6	32.2	6.93	6.88	6.54
Hospitals	358.42	353.30	343.18	30.4	30.3	31.6	11.79	11.66	10.86

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

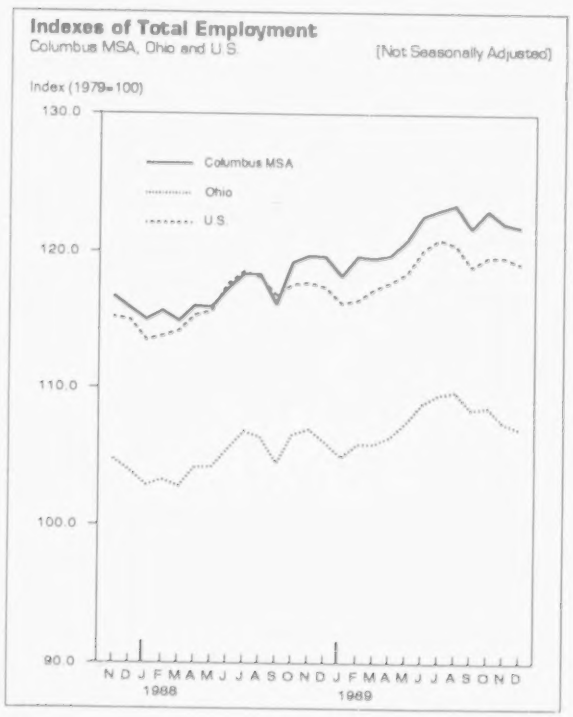
COLUMBUS
METROPOLITAN STATISTICAL AREA

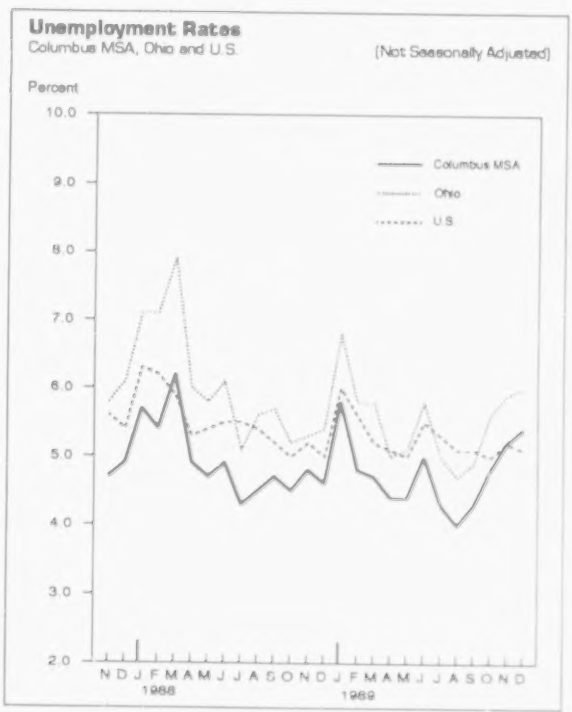


In the Columbus metropolitan area, total nonfarm payroll employment dropped 20,000 below the December 1989 level to 698,500 in January 1990. The release of temporary workers in retail trade and services helped lower service-producing industries 15,400. Employment in goods-producing industries declined 4,700 over the month to 130,700 due to seasonal reductions in construction and temporary shutdowns in durable-goods manufacturing, especially fabricated metal products. Factory production workers averaged $12.30 per hour, down fractionally from December. Their average workweek of 42.6 hours was .1 hours shorter.

Nonagricultural wage and salary employment advanced 15,900 between January 1989 and January 1990. The improvement was concentrated in service-producing industries. Leading areas of expansion were retail trade (+6,400) and services (+5,400). Notable gains were also recorded in state government and finance, insurance, and real estate. The number of employees in goods-producing industries remained unchanged during the period. Scattered increases in nondurable-goods manufacturing offset declines in durable-goods manufacturing and construction.

Seasonally adjusted employment in the Columbus area increased 1,000 from December 1989 to 710,000 in January 1990 with scattered gains in service-producing industries. Since January 1989, total payroll employment rose 17,000. Most of the improvement occurred in retail trade and services. Employment in goods-producing industries was unchanged over the year.





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.4	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
735.4	700.4	35.0	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1988						
723.8	690.6	33.2	4.6	December	701.3	103.5	68.5	491.91	41.9	11.74
				1989						
724.3	682.6	41.7	5.8	January	682.7	103.5	68.3	485.55	41.5	11.70
725.3	690.5	34.8	4.8	February	687.1	103.8	68.2	490.95	41.5	11.83
724.7	690.3	34.4	4.7	March	692.8	104.0	68.5	493.79	41.6	11.87
722.6	691.0	31.6	4.4	April	695.7	103.7	68.3	492.25	41.4	11.89
729.9	697.7	32.2	4.4	May	701.6	104.4	68.9	493.90	41.4	11.93
745.7	708.2	37.6	5.0	June	706.7	105.0	69.3	493.54	41.3	11.95
742.4	710.4	32.0	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
742.2	712.8	29.4	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
734.2	702.7	31.5	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
746.2	710.5	35.7	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
744.2	705.4	38.8	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
743.6	703.3	40.3	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
INA	INA	INA	INA	January	698.5	103.8	69.1	523.98	42.6	12.30

INA – information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
693	135	30	104	January	559	30	37	140	59	167	124
697	135	30	105	February	562	31	37	142	60	169	124
701	136	31	105	March	565	31	37	143	60	169	124
697	135	29	104	April	563	31	37	142	59	169	124
699	135	29	105	May	564	31	37	143	60	170	125
700	135	29	105	June	565	31	37	143	60	170	124
703	135	29	105	July	568	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	37	147	61	173	126

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	698.5	718.6	682.7	-20.0	15.9
Goods-Producing Industries[g]	130.7	135.4	130.7	-4.7	.0
Construction	26.1	29.3	26.4	-3.2	-.4
Manufacturing	103.8	105.2	103.5	-1.4	.3
Durable Goods[e]	64.6	66.0	65.1	-1.4	-.6
Stone, Clay, and Glass Products	9.8	9.8	9.7	-.1	.0
Glass and Glassware, Pressed or Blown	3.5	3.5	3.4	.0	.1
Fabricated Metal Products	9.0	10.0	9.8	-1.1	-.8
Industrial Machinery and Equipment	9.5	9.5	9.9	.0	-.4
Electronic and Other Electric Equipment	9.0	9.2	9.3	-.2	-.3
Transportation Equipment	14.0	14.0	13.1	.1	.9
Motor Vehicles and Equipment	13.4	13.3	12.2	.1	1.2
Instruments and Related Products	4.8	4.8	4.6	.0	.2
Nondurable Goods[f]	39.2	39.2	38.3	.0	.9
Food and Kindred Products	10.7	10.7	10.4	-.1	.3
Dairy Products	4.0	4.0	3.8	.0	.1
Printing and Publishing	11.0	11.0	10.7	.0	.3
Chemicals and Allied Products	6.9	6.8	6.8	.1	.1
Rubber and Miscellaneous Plastics Products	6.4	6.3	5.9	.1	.5
Service-Producing Industries	567.8	583.2	552.0	-15.4	15.8
Transportation and Public Utilities	30.6	31.5	30.0	-.8	.6
Transportation	18.4	19.2	17.8	-.8	.6
Trucking and Warehousing	12.9	13.7	12.1	-.8	.8
Communications, Electric, Gas Services	12.3	12.3	12.2	.0	.1
Communications	7.7	7.7	7.6	.0	.1
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	37.0	37.5	36.3	-.5	.7
Wholesale Trade-Durable Goods	24.0	24.2	23.4	-.2	.6
Motor Vehicles, Parts, and Supplies	3.0	3.1	3.2	-.1	-.2
Machinery, Equipment, and Supplies	5.5	5.4	5.1	.0	.4
Wholesale Trade-Nondurable Goods	13.0	13.3	12.8	-.3	.1
Retail Trade	144.4	151.4	138.0	-7.0	6.4
General Merchandise Stores	21.4	23.7	19.8	-2.4	1.5
Food Stores	16.9	17.3	16.0	-.3	.9
Automotive Dealers and Service Stations	14.3	14.3	13.7	.0	.5
Finance, Insurance, and Real Estate	60.0	60.0	58.8	.0	1.2
Finance	23.7	23.8	23.1	.0	.6
Depository Institutions	14.3	14.3	14.1	.0	.2
Commercial Banks	12.0	12.0	11.4	.0	.5
Insurance	27.7	27.5	27.4	.1	.3
Insurance Carriers	23.8	23.6	23.4	.2	.4
Services	168.9	173.5	163.5	-4.6	5.4
Business Services	35.8	37.6	33.5	-1.8	2.3
Personnel Supply Services	12.4	13.7	10.9	-1.3	1.5
Health Services	45.0	45.4	43.2	-.3	1.9
Nursing and Personal Care Facilities	8.0	8.2	7.8	-.2	.2
Hospitals	21.0	21.0	20.1	.0	.9
Legal Services	4.4	4.5	4.3	-.1	.1
Educational Services	7.4	7.9	7.9	-.5	-.5
Social Services	12.5	13.0	11.9	-.5	.6
Engineering and Management Services	17.6	17.8	17.7	-.2	-.2
Engineering and Architectural Services	4.4	4.5	4.3	-.1	.1
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.2	.0	-.1
Research and Testing Services	6.0	6.1	6.2	-.1	-.2
Government	126.9	129.3	125.4	-2.4	1.5
Federal Government	16.1	16.2	15.8	-.1	.3
State Government	55.7	57.3	54.6	-1.6	1.0
State Government Education	23.3	24.8	23.2	-1.5	.2
Local Government	55.1	55.8	55.0	-.7	.1
Local Government Education	33.3	33.9	33.4	-.6	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

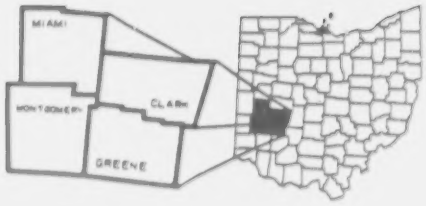
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$523.98	$525.64	$485.55	42.6	42.7	41.5	$12.30	$12.31	$11.70
Durable Goods[e]	540.99	540.56	496.76	42.8	42.8	41.5	12.64	12.63	11.97
Stone, Clay, and Glass Products	497.54	484.57	472.58	41.6	41.1	40.6	11.96	11.79	11.64
Glass and Glassware, Pressed or Blown	454.44	452.65	427.79	41.2	41.3	39.5	11.03	10.96	10.83
Fabricated Metal Products	498.49	526.26	512.11	41.3	41.9	41.1	12.07	12.56	12.46
Industrial Machinery and Equipment	500.76	505.98	475.86	41.8	42.2	41.2	11.98	11.99	11.55
Electronic and Other Electric Equipment	503.64	530.43	461.90	41.9	43.3	40.2	12.02	12.25	11.49
Transportation Equipment	706.58	673.40	593.74	47.2	45.5	42.9	14.97	14.80	13.84
Motor Vehicles and Equipment	708.55	675.34	600.17	47.3	45.6	42.9	14.98	14.81	13.99
Instruments and Related Products	392.06	403.35	422.41	38.4	39.7	39.7	10.21	10.16	10.64
Nondurable Goods[f]	492.05	495.23	463.97	42.2	42.4	41.5	11.66	11.68	11.18
Food and Kindred Products	422.50	442.80	408.00	41.3	42.7	40.8	10.23	10.37	10.00
Dairy Products	648.77	662.13	532.56	45.4	46.4	42.2	14.29	14.27	12.62
Printing and Publishing	566.30	578.93	531.11	40.8	41.8	39.4	13.88	13.85	13.48
Chemicals and Allied Products	662.20	677.40	598.40	44.0	45.1	44.0	15.05	15.02	13.60
Rubber and Miscellaneous Plastics Products	408.76	377.24	379.18	44.0	41.5	42.7	9.29	9.09	8.88
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	450.84	451.44	359.12	34.0	34.2	28.1	13.26	13.20	12.78
Communications, Electric, Gas Services	660.50	663.71	565.81	43.8	44.1	40.3	15.08	15.05	14.04
Communications	578.29	583.95	552.62	39.8	40.3	39.7	14.53	14.49	13.92
Electric, Gas, and Sanitary Services	804.16	801.57	588.11	50.8	50.7	41.3	15.83	15.81	14.24
Wholesale Trade	399.51	398.59	357.77	38.6	38.4	37.7	10.35	10.38	9.49
Retail Trade[h]	182.54	190.94	179.92	27.7	28.8	28.2	6.59	6.63	6.38
General Merchandise Stores	199.37	212.75	192.66	28.4	30.7	28.5	7.02	6.93	6.76
Food Stores	189.92	193.60	180.78	26.6	27.5	26.2	7.14	7.04	6.90
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	444.41	435.91	407.90	....	....	....	.....	.....	.....
Depository Institutions	286.63	284.10	269.79	....	....	....	.....	.....	.....
Commercial Banks	284.87	283.96	269.66	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	230.95	225.66	209.29	32.3	32.1	32.1	7.15	7.03	6.52
Hospitals	397.66	397.66	360.74	34.4	34.4	34.0	11.56	11.56	10.61
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	489.85	486.86	452.02	39.6	39.2	38.8	12.37	12.42	11.65

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

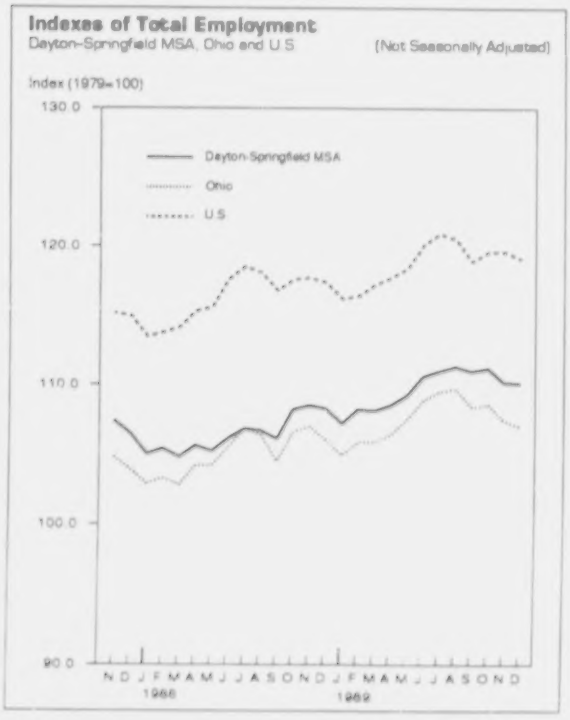
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA

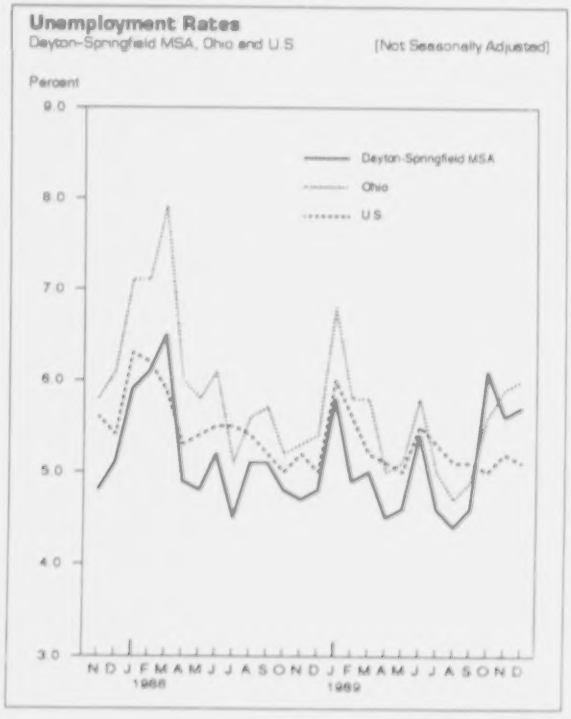


Nonfarm payroll employment in the Dayton-Springfield metropolitan area totaled 445,500 in January 1990, down 12,800 from the December 1989 level. The cyclical downturn in retail trade and services lowered service-producing industries 9,200. Employment in goods-producing industries declined 3,500 to 119,000 due to a seasonal decrease in construction and temporary shutdowns in manufacturing, especially transportation equipment and rubber and miscellaneous plastics products. Factory production workers averaged $12.92 per hour, down $.18 from December. Their average workweek was .9 hours shorter at 41.2 hours.

Nonagricultural wage and salary employment advanced 4,400 between January 1989 and January 1990. The improvement was concentrated in service-producing industries. Noteworthy gains occurred in local and federal government, services, retail trade, and transportation and public utilities. A decrease in the manufacturing workforce contributed most to the loss of 3,100 jobs in goods-producing industries. Significant reductions were recorded in rubber and miscellaneous plastics products, industrial machinery and equipment, and electronic and other electric equipment.

Seasonally adjusted employment in the Dayton-Springfield area decreased 2,000 from December 1989 to 451,000 in January 1990 due to a decline in service-producing industries. Since January 1989, total payroll employment increased 4,000. Scattered gains in service-producing industries, especially in services and government, more than offset a decline in goods-producing industries.





Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.7	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
483.4	458.7	24.7	5.1	1989	448.9	104.5	67.2	555.56	42.9	12.95
				1988						
475.2	452.5	22.7	4.8	December	449.0	106.1	68.7	576.76	44.4	12.99
				1989						
475.4	447.9	27.5	5.8	January	441.2	105.6	68.2	579.47	44.1	13.14
475.7	452.3	23.4	4.9	February	443.0	105.4	68.0	568.54	43.7	13.01
475.7	451.9	23.8	5.0	March	446.3	105.6	68.1	565.07	43.3	13.05
475.2	453.7	21.5	4.5	April	446.8	104.7	67.5	556.85	43.1	12.92
478.6	456.4	22.2	4.6	May	448.3	104.8	67.4	555.56	43.0	12.92
489.0	462.5	26.5	5.4	June	449.6	105.6	67.9	555.56	43.1	12.89
486.7	464.1	22.6	4.6	July	444.9	104.5	66.3	539.33	42.3	12.75
486.5	465.3	21.2	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
486.2	464.1	22.1	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
495.2	464.9	30.3	6.1	October	453.3	101.7	65.1	552.12	42.8	12.90
488.2	460.8	27.3	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
487.9	460.2	27.7	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
INA	INA	INA	INA	January	445.5	102.8	66.3	532.30	41.2	12.92

INA – information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
449	123	18	105	1989	326	17	21	80	18	114	76
				1989							
447	125	18	106	January	322	17	20	79	18	113	75
450	126	19	106	February	324	17	21	80	18	114	75
451	126	19	106	March	326	17	21	80	18	115	74
447	123	18	105	April	324	17	21	79	18	113	76
447	123	18	105	May	324	17	21	79	18	114	76
447	123	17	105	June	325	17	21	80	18	114	76
448	122	17	104	July	326	17	21	80	18	114	76
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	115	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
451	122	18	104	January	329	18	21	80	18	115	77

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	445.5	458.3	441.2	-12.8	4.4
Goods-Producing Industries[g]	119.0	122.5	122.0	-3.5	-3.1
Construction	15.8	17.7	16.1	-2.0	-.3
Manufacturing	102.8	104.3	105.6	-1.5	-2.8
Durable Goods[e]	74.1	74.8	76.0	-.7	-1.9
Fabricated Metal Products	8.5	8.5	8.5	.0	-.1
Industrial Machinery and Equipment	31.4	31.5	32.3	.0	-.9
Metalworking Machinery	8.4	8.4	8.3	.0	.1
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.9	3.8	4.6	.0	-.7
Transportation Equipment	21.5	22.3	21.6	-.8	-.1
Motor Vehicles and Equipment	18.3	19.1	18.4	-.8	-.1
Nondurable Goods[f]	28.7	29.5	29.6	-.8	-.9
Food and Kindred Products	2.7	2.8	2.7	-.1	.0
Paper and Allied Products	6.0	5.9	6.0	.1	.0
Printing and Publishing	9.2	9.2	8.9	.0	.4
Rubber and Miscellaneous Plastics Products	6.9	7.8	8.5	-.8	-1.5
Service-Producing Industries	326.6	335.8	319.1	-9.2	7.4
Transportation and Public Utilities	17.8	18.0	16.8	-.2	1.0
Transportation	11.4	11.7	10.8	-.3	.7
Trucking and Warehousing	6.3	6.6	5.7	-.3	.6
Communications, Electric, Gas Services	6.3	6.3	6.1	.0	.3
Communications	3.5	3.5	3.4	0	.1
Wholesale Trade	21.0	21.4	20.1	-.4	.8
Wholesale Trade-Durable Goods	14.7	14.9	14.1	-.3	.6
Wholesale Trade-Nondurable Goods	6.3	6.4	6.0	-.2	.3
Retail Trade	79.0	83.5	78.0	-4.4	1.1
General Merchandise Stores	11.7	13.0	11.7	-1.3	.0
Finance, Insurance, and Real Estate	17.5	17.7	17.6	-.2	-.1
Finance	9.6	9.6	9.8	.0	-.2
Depository Institutions	7.4	7.3	7.5	.0	-.1
Insurance	4.4	4.4	4.3	-.1	.0
Services	113.4	116.3	111.3	-2.9	2.1
Business Services	21.5	22.6	20.5	-1.1	1.0
Personnel Supply Services	5.5	6.5	5.6	-1.0	.0
Computer and Data Processing Services	5.2	5.1	4.6	.1	.6
Health Services	38.8	39.2	37.2	-.4	1.6
Nursing and Personal Care Facilities	7.0	7.2	7.0	-.2	.0
Hospitals	20.0	20.0	19.1	.0	.9
Educational Services	8.7	9.0	10.1	-.3	-1.4
Social Services	5.7	6.0	5.7	-.3	.0
Engineering and Management Services	9.6	9.9	9.9	-.2	-.2
Research and Testing Services	3.2	3.3	3.2	-.1	.0
Government	77.9	78.9	75.4	-1.0	2.5
Federal Government	29.0	29.3	27.8	-.3	1.1
State Government	7.3	7.4	7.2	-.2	.1
State Government Education[f]	4.4	4.6	4.4	-.2	.0
Local Government	41.6	42.2	40.3	-.6	1.3
Local Government Education	26.5	27.1	25.7	-.5	.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

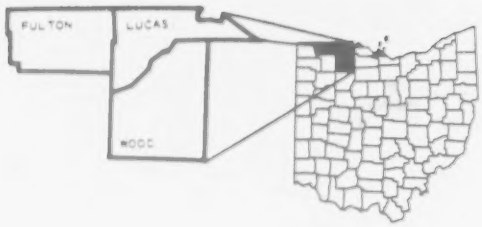
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$532.30	$551.51	$579.47	41.2	42.1	44.1	$12.92	$13.10	$13.14
Durable Goods[e]	553.70	571.20	593.18	41.6	42.5	44.4	13.31	13.44	13.36
Fabricated Metal Products	407.79	403.65	400.15	41.4	41.4	41.9	9.85	9.75	9.55
Industrial Machinery and Equipment	590.01	604.88	646.35	42.6	43.8	46.4	13.85	13.81	13.93
Metalworking Machinery	602.04	620.10	622.49	45.3	46.8	47.7	13.29	13.25	13.05
General Industrial Machinery	511.31	569.05	505.61	44.5	47.5	43.7	11.49	11.98	11.57
Electronic and Other Electric Equipment	352.29	357.79	375.23	41.3	41.7	41.6	8.53	8.58	9.02
Transportation Equipment	669.89	695.88	737.55	41.3	42.2	45.0	16.22	16.49	16.39
Motor Vehicles and Equipment	674.45	693.06	751.37	41.0	41.6	45.1	16.45	16.66	16.66
Nondurable Goods[f]	468.37	495.69	540.38	40.1	41.0	43.3	11.68	12.09	12.48
Food and Kindred Products	346.33	379.95	378.22	39.9	42.5	41.7	8.68	8.94	9.07
Paper and Allied Products	492.31	489.63	503.69	43.8	43.6	45.5	11.24	11.23	11.07
Printing and Publishing	446.22	472.42	455.00	38.6	39.9	39.6	11.56	11.84	11.49
Rubber and Miscellaneous Plastics Products	556.99	606.43	746.24	36.5	38.7	44.9	15.26	15.67	16.62
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	556.19	568.51	543.10	40.1	40.9	39.7	13.87	13.90	13.68
Communications	554.19	563.81	549.53	39.5	40.1	40.2	14.03	14.06	13.67
Wholesale Trade	390.65	392.24	405.62	39.7	39.5	40.2	9.84	9.93	10.09
Retail Trade[h]	165.83	173.09	160.16	27.5	28.8	28.0	6.03	6.01	5.72
General Merchandise Stores	174.08	195.25	169.86	27.2	30.7	27.8	6.40	6.36	6.11
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	267.56	281.64	256.13	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	409.60	407.97	360.49	34.8	35.2	34.3	11.77	11.59	10.51

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

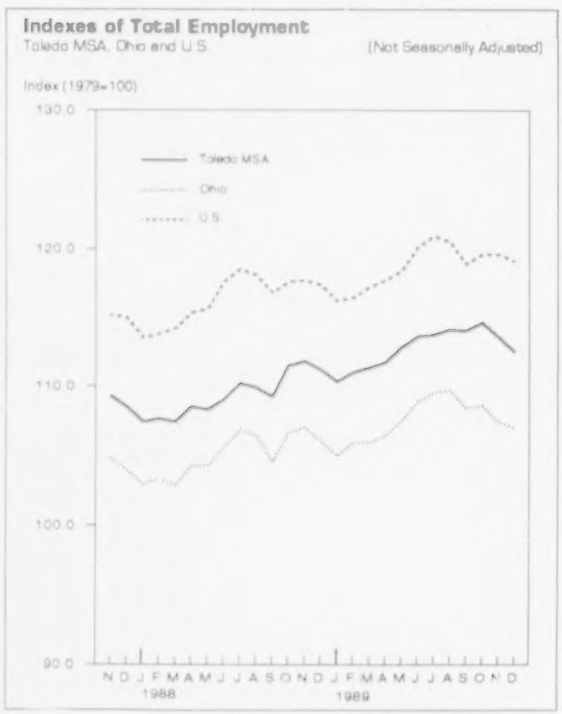
TOLEDO
METROPOLITAN STATISTICAL AREA

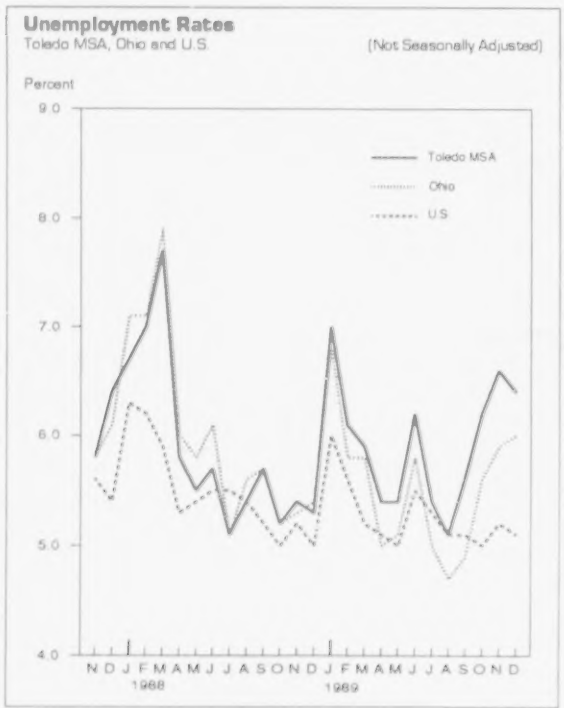


In the Toledo metropolitan area, total nonfarm payroll employment dropped 18,300 below the December 1989 level to 282,500 in January 1990. Temporary shutdowns in manufacturing, especially transportation equipment (-8,400), and a cyclical downturn in construction reduced employment in goods-producing industries 10,700 to 62,300. Service-producing industries lost 7,500 jobs over the month due to seasonal decreases in retail trade and services and less business in transportation and public utilities. Manufacturing production workers averaged $12.46 per hour, down $.68 from December. Their average workweek of 42.3 hours was .7 hours shorter.

Nonagricultural wage and salary employment declined 5,600 between January 1989 and January 1990. The number of employees in goods-producing industries dropped 10,600. Significant cutbacks in durable-goods manufacturing due to current temporary shutdowns in transportation equipment and a reduction in fabricated metal products overshadowed nominal growth in construction. Employment in service-producing industries advanced 5,000 during the period. Noteworthy improvements occurred in services and retail trade.

Seasonally adjusted employment in the Toledo area decreased 9,000 from December 1989 to 287,000 in January 1990. Temporary shutdowns lowered the manufacturing workforce 8,000. Employment in service-producing industries was unchanged over the month. Since January 1989, total nonfarm employment declined 6,000. A significant reduction in manufacturing (-11,000) negated modest growth in services, transportation and public utilities, and retail trade.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
320.3	301.3	19.0	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1988						
313.6	297.0	16.6	5.3	December	295.7	63.6	45.5	586.53	44.1	13.30
				1989						
317.1	294.8	22.3	7.0	January	288.1	62.6	44.8	570.67	43.2	13.21
315.9	296.5	19.4	6.1	February	287.7	62.4	44.7	596.30	44.5	13.40
316.0	297.3	18.7	5.9	March	290.7	62.7	44.8	596.30	44.5	13.40
315.3	298.4	16.9	5.4	April	293.0	62.6	44.7	563.73	43.0	13.11
318.7	301.5	17.2	5.4	May	295.8	62.5	44.7	584.76	44.0	13.29
323.3	303.5	19.9	6.2	June	294.0	62.1	44.4	571.54	43.2	13.23
321.1	303.7	17.4	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
321.3	304.8	16.5	5.1	August	290.1	61.6	44.0	575.92	43.4	13.27
322.5	304.5	18.0	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
326.3	306.1	20.2	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
324.9	303.6	21.3	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
321.5	300.7	20.7	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
INA	INA	INA	INA	January	282.5	51.4	34.5	527.06	42.3	12.46

INA – information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	45	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
293	75	12	63	January	218	14	16	58	12	74	44
293	75	12	63	February	218	14	16	58	12	75	43
294	75	12	63	March	219	14	16	58	12	75	43
293	75	12	63	April	218	14	16	58	12	75	43
294	75	12	63	May	219	14	16	59	12	75	43
294	74	12	62	June	220	14	16	58	12	76	43
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
287	64	12	52	January	223	15	16	59	12	77	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	282.5	300.7	288.1	-18.3	-5.6
Goods-Producing Industries[g]	62.3	73.0	72.9	-10.7	-10.6
Construction	10.7	12.3	10.1	-1.7	.5
Manufacturing	51.4	60.4	62.6	-9.0	-11.2
Durable Goods[e]	35.9	44.7	46.9	-8.8	-11.0
Stone, Clay, and Glass Products	7.9	7.9	8.1	.0	-.2
Primary Metal Industries	3.6	3.3	3.7	.3	-.1
Fabricated Metal Products	6.2	6.9	7.2	-.6	-1.0
Metal Forgings and Stampings	2.1	2.6	3.0	-.5	-.9
Industrial Machinery and Equipment	5.8	5.7	6.2	.0	-.4
Transportation Equipment	5.8	14.2	15.3	-8.4	-9.5
Nondurable Goods[f]	15.5	15.8	15.7	-.3	-.2
Food and Kindred Products	3.9	3.9	4.0	.1	-.1
Rubber and Miscellaneous Plastics Products	4.1	4.2	4.3	-.1	-.1
Service-Producing Industries	220.2	227.7	215.2	-7.5	5.0
Transportation and Public Utilities	14.2	15.2	13.6	-1.0	.6
Transportation	9.3	10.2	8.8	-1.0	.4
Communications, Electric, Gas Services	4.9	4.9	4.8	.0	.2
Wholesale Trade	15.8	15.9	15.3	-.2	.4
Wholesale Trade-Durable Goods	10.5	10.5	10.3	-.1	.2
Wholesale Trade-Nondurable Goods	5.3	5.4	5.1	-.1	.2
Retail Trade	58.6	61.9	57.1	-3.3	1.5
General Merchandise Stores	8.6	9.5	8.6	-1.0	-.1
Finance, Insurance, and Real Estate	12.0	12.0	11.9	-.1	.0
Finance	6.4	6.3	6.3	.0	.1
Insurance	3.7	3.7	3.7	.0	-.1
Services	75.0	77.1	72.9	-2.1	2.1
Business Services	13.1	13.7	12.6	-.6	.4
Personnel Supply Services	4.8	5.3	4.4	-.5	.5
Health Services	27.6	27.7	27.1	-.2	.5
Nursing and Personal Care Facilities	4.2	4.2	4.2	.0	.0
Hospitals	15.1	15.1	14.9	.0	.2
Engineering and Management Services	5.9	6.2	5.8	-.2	.2
Government	44.6	45.6	44.3	-.9	.3
Federal Government	2.6	2.6	2.6	.0	.0
State Government	17.1	17.6	16.5	-.5	.6
State Government Education[f]	12.9	13.3	12.4	-.4	.5
Local Government	24.9	25.3	25.2	-.5	-.3
Local Government Education	14.6	15.0	14.8	-.4	-.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

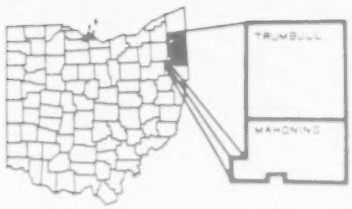
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$527.06	$565.02	$570.67	42.3	43.0	43.2	$12.46	$13.14	$13.21
Durable Goods[e]	519.51	577.15	589.43	42.1	43.2	43.5	12.34	13.36	13.55
Stone, Clay, and Glass Products	506.99	501.23	431.07	41.9	41.7	38.8	12.10	12.02	11.11
Primary Metal Industries	492.48	548.02	529.42	43.2	46.6	46.4	11.40	11.76	11.41
Fabricated Metal Products	455.31	512.20	550.90	40.4	44.5	46.1	11.27	11.51	11.95
Metal Forgings and Stampings	621.57	654.27	694.93	41.3	41.7	45.9	15.05	15.69	15.14
Industrial Machinery and Equipment	493.54	496.17	535.26	42.4	42.7	44.2	11.64	11.62	12.11
Transportation Equipment	759.80	714.33	743.29	44.2	42.8	43.8	17.19	16.69	16.97
Nondurable Goods[f]	546.12	531.22	510.85	42.9	42.6	42.5	12.73	12.47	12.02
Food and Kindred Products	712.47	645.24	555.55	48.5	45.6	43.2	14.69	14.15	12.86
Rubber and Miscellaneous Plastics Products	355.69	358.97	358.09	40.1	40.7	40.6	8.87	8.82	8.82
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	609.26	616.10	584.23	41.0	41.6	40.6	14.86	14.81	14.39
Wholesale Trade	412.73	415.11	383.96	39.8	39.8	39.1	10.37	10.43	9.82
Retail Trade[h]	161.39	173.76	155.31	26.5	28.3	27.2	6.09	6.14	5.71
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	376.97	360.26	339.76	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA

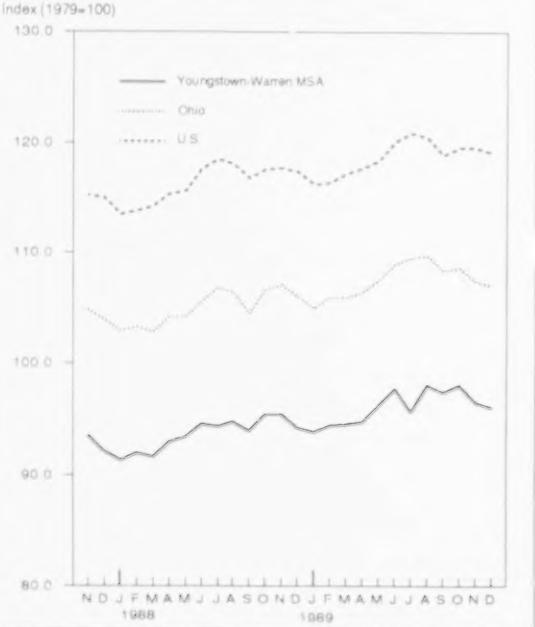


Nonagricultural payroll employment in the Youngstown-Warren metropolitan area totaled 189,000 in January 1990, down 13,100 from the December 1989 level. Temporary shutdowns in manufacturing, especially transportation equipment, fabricated metal products, and primary metal industries, and less business in construction reduced goods-producing industries 9,100 to 48,600. Employment in service-producing industries declined 4,000 over the month due to seasonal decreases in retail trade and services. Manufacturing production workers averaged $13.70 per hour, down $.44 from December. Their average workweek of 41.5 hours was .7 hours shorter.

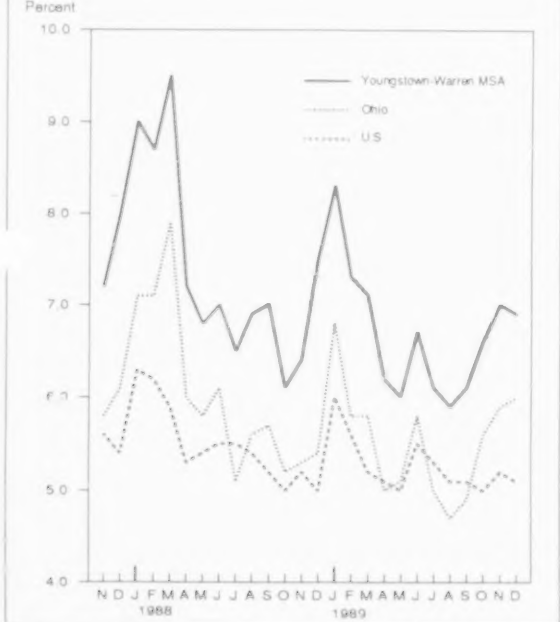
Nonfarm wage and salary employment declined 4,700 between January 1989 and January 1990. Goods-producing industries lost 9,300 jobs due to current production cutbacks in durable-goods manufacturing, especially transportation equipment (-5,200), primary metal industries (-2,300), and fabricated metal products (-1,500). Employment in service-producing industries advanced 4,600 during the period with moderate growth in retail trade, services, and wholesale trade.

Seasonally adjusted employment in the Youngstown-Warren area dropped 7,000 below the December 1989 level to 193,000 in January 1990. A temporary slowdown in manufacturing lowered goods-producing industries 8,000. Marginal improvement in retail trade increased service-producing industries 1,000. Since January 1989, total payroll employment declined 5,000. The loss of 9,000 manufacturing jobs overshadowed scattered gains in service-producing industries.

Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.8	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
226.3	211.2	15.1	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1988						
224.0	207.1	16.9	7.5	December	197.7	50.3	38.2	593.57	43.2	13.74
				1989						
224.9	206.2	18.7	8.3	January	193.7	51.0	38.9	601.44	43.3	13.89
223.9	207.5	16.3	7.3	February	193.8	51.0	38.9	580.88	42.4	13.70
223.7	207.8	15.9	7.1	March	195.6	50.8	38.7	595.55	43.0	13.85
222.1	208.3	13.8	6.2	April	197.0	50.7	38.7	589.48	42.5	13.87
225.1	211.5	13.6	6.0	May	199.2	50.7	38.6	603.60	43.3	13.94
230.2	214.9	15.3	6.7	June	200.4	50.8	38.7	598.53	42.6	14.05
223.8	210.2	13.6	6.1	July	193.6	45.7	33.4	581.28	42.0	13.84
228.8	215.4	13.4	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
228.1	214.2	13.9	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
230.6	215.4	15.1	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
228.1	212.1	16.0	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
226.7	211.1	15.6	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
INA	INA	INA	INA	January	189.0	41.7	29.5	568.55	41.5	13.70

INA – information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
198	60	8	51	January	138	8	11	41	9	46	24
198	60	8	51	February	138	8	11	41	9	46	24
198	59	8	51	March	139	8	11	42	9	46	24
198	59	8	51	April	139	8	11	42	9	46	24
197	59	8	51	May	139	8	11	42	9	46	24
198	58	8	50	June	139	8	11	42	9	46	24
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	189.0	202.1	193.6	-13.1	-4.7
Goods-Producing Industries[g]	48.6	57.7	57.9	-9.1	-9.3
Construction	6.4	7.7	6.5	-1.2	0
Manufacturing	41.7	49.6	51.0	-7.9	-9.3
Durable Goods[h]	36.7	44.5	46.0	-7.8	-9.3
Primary Metal Industries	16.9	18.1	19.1	-1.2	-2.3
Blast Furnace and Basic Steel Products	5.9	5.9	5.8	0	.1
Fabricated Metal Products	6.0	7.5	7.5	-1.5	-1.5
Metal Forgings and Stampings	2.5	4.0	4.0	-1.5	-1.5
Industrial Machinery and Equipment	4.3	4.3	4.2	0	.1
Transportation Equipment	4.4	9.4	9.7	-5.0	-5.2
Nondurable Goods[i]	5.0	5.2	5.0	-.1	.1
Service-Producing Industries	140.3	144.4	135.7	-4.0	4.6
Transportation and Public Utilities	7.6	8.0	7.5	-.4	0
Wholesale Trade	11.4	11.6	10.5	-.2	.9
Wholesale Trade-Durable Goods	7.1	7.2	6.8	-.1	.3
Wholesale Trade-Nondurable Goods	4.3	4.5	3.8	-.1	.6
Retail Trade	41.9	43.5	40.1	-1.7	1.7
General Merchandise Stores	5.4	5.9	5.4	-.4	.1
Finance, Insurance, and Real Estate	8.7	8.7	8.4	.0	.3
Finance	4.8	4.7	4.6	.0	.1
Services	46.0	46.9	44.6	-.9	1.4
Health Services	21.2	21.3	20.6	-.1	.6
Nursing and Personal Care Facilities	4.8	4.8	4.6	.0	.2
Hospitals	10.8	10.8	10.6	0	.2
Government	24.7	25.5	24.5	-.8	.2
State Government	4.0	4.5	4.1	-.5	0
State Government Education[j]	2.6	3.1	2.6	-.5	0
Local Government	18.6	18.8	18.3	-.3	.2
Local Government Education	12.1	12.4	12.1	-.3	0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$568.55	$596.71	$601.44	41.5	42.2	43.3	$13.70	$14.14	$13.89
Durable Goods[e]	585.05	613.10	619.33	41.7	42.4	43.8	14.03	14.46	14.14
Primary Metal Industries	632.12	627.68	661.62	41.1	40.6	43.3	15.38	15.46	15.28
Blast Furnace and Basic Steel Products	609.84	608.89	595.19	44.0	43.9	43.7	13.86	13.87	13.62
Fabricated Metal Products	580.77	582.58	603.00	44.3	42.9	44.7	13.11	13.58	13.49
Metal Forgings and Stampings	772.26	682.13	713.91	47.7	43.2	46.6	16.19	15.79	15.32
Industrial Machinery and Equipment	496.54	515.30	514.40	40.7	42.1	43.3	12.20	12.24	11.88
Transportation Equipment	697.57	741.01	683.20	43.9	46.4	46.1	15.89	15.97	14.82
Nondurable Goods[f]	426.92	405.73	387.66	40.2	39.7	37.6	10.62	10.22	10.31
Wholesale Trade	380.64	378.02	371.22	39.0	38.3	39.2	9.76	9.87	9.47
Retail Trade[h]	179.03	186.91	176.79	27.5	28.8	28.7	6.51	6.49	6.16
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	225.41	220.51	217.14	.....	.....	.....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [f]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Civilian Labor Force and Nonagricultural Wage and Salary Employment data are now available and will be published each month for Ohio's five minor metropolitan areas. The data are not seasonally adjusted.

Metropolitan Area	January 1990 Nonagricultural Employment	Counties
Hamilton–Middletown	94,100	Butler
Lima	71,500	Allen, Auglaize
Lorain–Elyria	85,300	Lorain
Mansfield	59,000	Richland
Steubenville–Weirton	51,600	Jefferson, OH; Brooke, Hancock, WV

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	From Last Month	From Last Year
Civilian Labor Force	132.3	132.8	133.3	-.5	-1.0
Employment	124.4	124.9	125.8	-.5	-1.4
Unemployment	7.9	7.9	7.4	.0	.5
Unemployment Rate	5.9	5.9	5.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	94.1	96.7	93.3	-2.6	.9
Goods–Producing Industries	27.2	28.1	27.2	-.9	.0
Construction and Mining	5.0	5.9	4.8	-.9	.2
Manufacturing	22.2	22.2	22.4	.0	-.2
Durable Goods	15.4	15.4	15.4	.0	.1
Primary Metal Industries	7.3	7.1	6.8	.2	.5
Fabricated Metal Products	2.4	2.4	2.5	.0	-.1
Industrial Machinery and Equipment	2.4	2.5	2.3	.0	.1
Nondurable Goods	6.7	6.8	7.0	.0	-.3
Paper and Allied Products	4.8	4.8	5.1	.0	-.3
Paper Mills	3.6	3.6	3.8	.0	-.2
Service–Producing Industries	66.9	68.6	66.1	-1.7	.9
Transportation and Public Utilities	3.4	3.4	3.3	.0	.1
Wholesale Trade	5.5	5.6	5.6	-.1	-.1
Wholesale Trade–Durable Goods	3.8	3.9	3.9	-.1	-.1
Retail Trade	16.8	17.7	17.0	-.8	-.2
Food Stores	2.9	3.0	3.1	-.1	-.2
Finance, Insurance, and Real Estate	4.7	4.7	4.9	.0	-.2
Services	18.7	19.0	17.7	-.3	1.0
Health Services	8.2	8.3	7.9	-.1	.4
Government	17.8	18.1	17.6	-.4	.2
State Government	7.6	7.8	7.5	-.2	.1
Local Government	9.6	9.7	9.5	-.1	.1
Local Government Education	6.2	6.4	6.1	-.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$592.29	$610.58	$595.41	44.3	45.6	44.6	$13.37	$13.39	$13.35
Durable Goods	595.72	615.17	605.62	43.9	45.3	44.4	13.57	13.58	13.64
Primary Metal Industries	649.00	685.95	695.84	44.3	46.6	45.9	14.65	14.72	15.16
Fabricated Metal Products	497.75	530.93	543.14	40.9	43.2	42.4	12.17	12.29	12.81
Industrial Machinery and Equipment	644.80	665.28	601.50	49.6	50.4	46.7	13.00	13.20	12.88
Nondurable Goods	581.72	600.32	571.78	45.2	46.5	45.2	12.87	12.91	12.65
Paper and Allied Products	604.30	630.84	614.07	46.2	47.9	47.2	13.08	13.17	13.01
Paper Mills	622.04	651.36	632.13	46.7	48.5	47.6	13.32	13.43	13.28
Wholesale Trade	431.39	426.42	434.43	41.4	41.2	43.4	10.42	10.35	10.01
Retail Trade[h]	167.48	171.09	157.26	27.5	28.9	26.7	6.09	5.92	5.89

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	From Last Month	From Last Year
Civilian Labor Force	78.4	78.9	75.8	-.5	2.6
Employment	73.0	73.2	71.5	-.2	1.5
Unemployment	5.4	5.6	4.3	-.2	1.1
Unemployment Rate	6.9	7.1	5.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	71.5	73.8	70.1	-2.3	1.4
Goods-Producing Industries	25.6	26.7	25.2	-1.1	.3
Construction and Mining	2.9	3.1	2.8	-.3	.1
Manufacturing	22.7	23.6	22.5	-.9	.2
Durable Goods	16.4	17.3	16.7	-.9	-.3
Fabricated Metal Products	2.7	2.8	2.5	-.1	.3
Industrial Machinery and Equipment	4.2	4.1	3.8	.1	.4
Transportation Equipment	6.7	7.6	7.6	-.9	-.9
Motor Vehicles and Equipment	2.9	3.6	3.8	-.8	-1.0
Nondurable Goods	6.3	6.2	5.8	.0	.5
Food and Kindred Products	1.8	1.8	1.7	.0	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	1.9	.1	.3
Service-Producing Industries	45.9	47.1	44.8	-1.2	1.1
Transportation and Public Utilities	3.0	3.1	2.8	-.1	.2
Wholesale Trade	3.4	3.5	3.4	-.1	.0
Retail Trade	14.0	14.7	13.3	-.7	.7
General Merchandise Stores	2.2	2.3	1.9	-.1	.3
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	14.1	14.3	14.1	-.1	.1
Health Services	6.5	6.4	6.1	.0	.3
Hospitals	3.1	3.1	3.0	.0	.1
Government	9.3	9.5	9.2	-.2	.1
Local Government	6.9	7.0	6.8	-.1	.1
Local Government Education	4.2	4.3	4.0	-.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$544.35	$567.60	$552.55	42.1	43.0	42.9	$12.93	$13.20	$12.88
Durable Goods	535.92	571.13	552.55	42.0	43.3	43.0	12.76	13.19	12.85
Fabricated Metal Products	367.63	370.30	378.29	41.4	41.7	42.6	8.88	8.88	8.88
Industrial Machinery and Equipment	469.77	488.04	465.79	41.1	42.0	41.7	11.43	11.62	11.17
Transportation Equipment	670.14	717.66	659.12	42.2	44.3	42.8	15.88	16.20	15.40
Motor Vehicles and Equipment	737.86	797.74	737.24	43.2	45.9	44.6	17.08	17.38	16.53
Nondurable Goods	565.97	555.18	552.52	42.3	41.9	42.6	13.38	13.25	12.97
Food and Kindred Products	379.36	385.93	362.07	40.4	41.1	40.5	9.39	9.39	8.94
Rubber and Miscellaneous Plastics Products	576.31	529.58	601.99	44.4	42.4	46.2	12.98	12.49	13.03
Wholesale Trade	369.97	371.52	368.38	38.7	38.7	38.9	9.56	9.60	9.47
Retail Trade[h]	188.45	193.75	160.38	30.2	31.2	27.7	6.24	6.21	5.79
General Merchandise Stores	168.91	192.20	155.04	27.2	31.0	25.5	6.21	6.20	6.08

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	From Last Month	From Last Year
Civilian Labor Force	115.9	117.6	120.6	-1.7	-4.7
Employment	106.5	108.7	112.4	-2.2	-5.9
Unemployment	9.4	8.9	8.2	.5	1.2
Unemployment Rate	8.1	7.6	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	85.3	90.4	90.6	-5.2	-5.3
Goods–Producing Industries	26.2	29.9	32.2	-3.7	-6.0
Construction and Mining	3.5	4.1	3.2	-.6	.3
Manufacturing	22.7	25.8	29.0	-3.1	-6.3
Durable Goods	18.1	21.2	24.5	-3.1	-6.4
Primary Metal Industries	4.2	4.2	4.5	.0	-.3
Fabricated Metal Products	4.3	4.3	4.1	.0	.2
Tansportation Equipment	2.3	5.3	8.6	-3.1	-6.3
Nondurable Goods	4.6	4.6	4.5	.0	.1
Service–Producing Industries	59.1	60.5	58.4	-1.5	.6
Transportation and Public Utilities	3.4	3.5	3.1	-.1	.3
Wholesale Trade	2.3	2.4	2.5	-.1	-.2
Retail Trade	16.5	17.2	16.1	-.7	.4
Finance, Insurance, and Real Estate	3.2	3.2	3.1	.0	.2
Services	20.3	20.6	20.0	-.4	.2
Health Services	8.5	8.5	8.3	.0	.2
Hospitals	4.1	4.1	4.0	.0	.1
Government	13.3	13.5	13.6	-.2	-.3
Local Government	11.3	11.5	11.8	-.2	-.5
Local Government Education	7.7	7.9	7.6	-.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$512.83	$528.78	$603.45	42.7	41.9	44.7	$12.01	$12.62	$13.50
Durable Goods	542.07	553.71	639.77	43.4	42.3	45.6	12.49	13.09	14.03
Primary Metal Industries	629.44	624.26	595.88	44.8	44.4	42.9	14.05	14.06	13.89
Fabricated Metal Products	432.31	435.60	475.96	43.8	44.0	46.8	9.87	9.90	10.17
Transportation Equipment	813.75	660.49	813.62	46.5	40.2	48.2	17.50	16.43	16.88
Nondurable Goods	398.80	402.59	381.00	40.0	39.9	39.4	9.97	10.09	9.67
Wholesale Trade	365.95	359.29	371.71	38.4	37.9	38.4	9.53	9.48	9.68
Retail Trade[h]	156.37	163.91	162.34	25.1	26.1	26.7	6.23	6.28	6.08

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	From Last Month	From Last Year
Civilian Labor Force	65.3	65.7	65.6	-.4	-.3
Employment	60.7	60.9	61.7	-.2	-1.0
Unemployment	4.6	4.8	3.9	-.2	.7
Unemployment Rate	7.1	7.3	6.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	59.0	60.8	58.9	-1.8	.0
Goods-Producing Industries	20.7	21.1	21.0	-.4	-.3
Construction and Mining	1.8	2.1	1.8	-.3	.0
Manufacturing	18.9	19.0	19.2	-.1	-.3
Durable Goods	16.9	17.0	17.2	-.1	-.3
Fabricated Metal Products	5.7	5.7	5.8	.0	-.1
Electronic and Other Electric Equipment	3.3	3.3	3.3	.0	.0
Nondurable Goods	2.0	2.0	2.0	.0	.0
Service-Producing Industries	38.2	39.7	37.9	-1.5	.3
Transportation and Public Utilities	2.8	3.0	2.8	-.2	.0
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	11.4	12.2	10.9	-.7	.5
Finance, Insurance, and Real Estate	2.4	2.4	2.5	.0	-.1
Services	12.1	12.5	12.3	-.3	-.1
Health Services	4.4	4.4	4.2	.0	.2
Government	7.2	7.4	7.2	-.2	.0
Local Government	5.5	5.7	5.5	-.2	-.1
Local Government Education	3.7	3.9	3.8	-.2	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$556.50	$557.88	$573.78	42.0	42.2	43.8	$13.25	$13.22	$13.10
Durable Goods	575.71	573.91	596.51	41.9	41.8	43.7	13.74	13.73	13.65
Fabricated Metal Products	700.15	698.89	784.32	41.9	41.9	45.6	16.71	16.68	17.20
Electronic and Other Electric Equipment	464.10	452.86	449.86	42.5	41.7	41.5	10.92	10.86	10.84
Nondurable Goods	373.25	402.58	356.33	43.3	45.8	44.1	8.62	8.79	8.08
Wholesale Trade	341.82	330.26	320.36	39.7	38.9	39.6	8.61	8.49	8.09
Retail Trade[h]	161.39	163.80	154.70	26.5	27.3	26.4	6.09	6.00	5.86

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included.
[i]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	From Last Month	From Last Year
Civilian Labor Force	56.9	56.5	56.4	.4	.5
Employment	53.1	52.7	53.1	.4	.0
Unemployment	3.8	3.8	3.3	.0	.5
Unemployment Rate	6.6	6.8	5.9		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	51.6	52.8	50.8	-1.2	.8
Goods–Producing Industries	19.8	19.9	20.1	-.2	-.3
Mining	.9	1.0	.9	.0	.0
Construction	1.3	1.4	1.3	-.1	.0
Manufacturing	17.5	17.6	17.9	-.1	-.3
Durable Goods	16.0	16.1	16.3	-.1	-.3
Primary Metal Industries	12.7	12.7	12.9	.0	-.2
Nondurable Goods	1.5	1.5	1.6	.0	-.1
Service–Producing Industries	31.8	32.8	30.7	-1.0	1.1
Transportation and Public Utilities	3.3	3.3	3.2	-.1	.1
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.2	9.7	8.7	-.5	.5
General Merchandise Stores	1.8	2.0	1.6	-.2	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.2	10.6	9.8	-.5	.3
Health Services	4.5	4.5	4.4	.0	.1
Hospitals	2.4	2.4	2.4	.0	.0
Government	6.1	6.1	6.0	.0	.1
Local Government	5.3	5.3	5.2	.0	.1
Local Government Education	3.4	3.4	3.3	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$518.32	$519.94	$473.06	44.0	44.1	41.1	$11.78	$11.79	$11.51
Durable Goods	540.42	542.53	501.17	44.7	44.8	42.4	12.09	12.11	11.82
Primary Metal Industries	578.34	578.34	524.96	45.9	45.9	43.1	12.60	12.60	12.18
Nondurable Goods	218.13	218.13	147.51	34.9	34.9	26.2	6.25	6.25	5.63
Wholesale Trade	345.35	341.25	325.13	39.2	39.0	37.5	8.81	8.75	8.67
Retail Trade[h]	158.49	165.25	159.02	27.0	28.2	27.8	5.87	5.86	5.72

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	January 1990	December 1989	January 1989
New Applicants	37,843	27,168	41,943
Active File of Job Seekers	189,046	173,458	252,036
Counseling Interviews	970	827	1,098
Tests Administered	1,527	922	1,652
General Aptitude Tests	259	169	102
Proficiency Tests	175	261	329
Specific Aptitude Tests	288	75	338
Referrals to Jobs	17,963	14,170	20,202
Placements	2,831	2,851	4,344
Job Openings Received	7,803	5,094	11,070
Job Openings Unfilled	14,212	13,794	19,179

Selected Unemployment Insurance Activities

	Ohio		
	January 1990	December 1989	January 1989
Initial Claims	126,036	102,739	78,656
Continued Claims	680,630	416,398	510,882
First Payments	60,348	36,670	39,444
Last Payments	5,988	5,032	5,058
Average Weekly Claimants	141,989	98,619	113,358
Average Weekly Benefit Recipients	113,623	78,983	90,229
Weeks Compensated	505,632	341,684	373,474
Benefits Paid	$83,571,684	$55,533,092	$57,196,981
Average Weekly Payment	$173.38	$169.59	$158.55
Continued Claims for Survey Week	163,156	101,213	115,460
Insured Unemployment Rate	3.1	2.2	2.6
Net Contributions	$21,630,811	$4,649,244	$17,519,587
Active Employer Accounts	206,158	205,964	201,677

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